In The Matter Of:

LifeCORE Fitness, Inc. v. Woodway USA, Inc.

ROBERT GIACHETTI, Ph.D., P.E. January 9, 2024 Patent No. 10,561,884

NorthStar Deposition Services

Original File 010924Giachetti.txt

Min-U-Script® with Word Index

	• /	1		
	Page 1			Page 3
1	UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD	1	ROBERT GIACHETTI, Ph	.D., P.E. JANUARY 9, 2024
2	х	2	TRANSCRIP	
3	LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS,	3	Appearances	Page 2
4	Petitioner,	4	11	
5	v.	5	Exhibit Index	Page 4
6	WOODWAY USA, INC. Patent Owner.	6		
7	ratelit owner.	7	Examination by Ms. Jel	enchick Page 5
8	IPR023-00843	8	•	
9	U.S. Patent No. 10,561,884	9	Afternoon Session	Page 82
10	January 9, 2024	10		
11	9:39 a.m.	11	Acknowledgement	Page 186
12		12		
13		13	Certification	Page 187
14	The deposition of ROBERT GIACHETTI, Ph.D.,	14		
15	P.E., called as a witness herein for examination,	15	Errata	Page 188
16	taken pursuant to the rules of the United States	16		
17	Patent and Trademark Office before JENNIFER L.	17	Word Index	Page 189
18	BERNIER, a Certified Stenographic Reporter of the	18		
19	State of Illinois, CSR License No. 084-004190,	19		
20	Registered Merit Reporter and Certified Realtime	20		
21	Reporter, at Foley & Lardner LLP, 321 North Clark	21		
22	Street, Suite 3000, Chicago, Illinois.	22		
23		23		
24		24		
25		25		
	Page 2			Page 4
1	APPEARANCES	1	ROBERT GIACHETTI, Ph	.D., P.E. JANUARY 9, 2024
2		2	EXHIBIT	
3	ON BEHALF OF PETITIONER LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS:	3	Exhibits 1001 through 1	030 were premarked and
4	BROOKS KUSHMAN	4	retained by counsel.	
5	150 W. Second Street Suite 400N	5	- o0o -	
6	Royal Oak, Michigan 48067-3846			
	(248) 226-2707	6		
7	(248) 226-2707			
8	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com	6		
8 9	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com	6 7		
8 9 10	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.:	6 7 8		
8 9 10 11	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue	6 7 8 9		
8 9 10 11 12	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP	6 7 8 9		
8 9 10 11 12 13	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202	6 7 8 9 10		
8 9 10 11 12 13 14	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com	6 7 8 9 10 11		
8 9 10 11 12 13 14 15	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ.	6 7 8 9 10 11 12 13 14 15		
8 9 10 11 12 13 14 15	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16		
8 9 10 11 12 13 14 15 16	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17		
8 9 10 11 12 13 14 15 16 17	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18		
8 9 10 11 12 13 14 15 16 17 18	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18		
8 9 10 11 12 13 14 15 16 17	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		
8 9 10 11 12 13 14 15 16 17 18 19 20 21	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		
8 9 10 11 12 13 14 15 16 17 18 19	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	(248) 226-2707 BY: ANDREW B. TURNER, ESQ. aturner@brookskushman.com ON BEHALF OF PATENT OWNER WOODWAY USA, INC.: FOLEY & LARDNER LLP 777 East Wisconsin Avenue Milwaukee, Wisconsin 53202 (414) 319-7324 BY: KADIE M. JELENCHICK, ESQ. kjelenchick@foley.com SARAH E. RIEGER, ESQ.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		

	Page 5		Page 7
,	PROCEEDINGS	-	try to push people into publications and technical
1	JANUARY 9, 2024	1 2	conferences and things like that.
2	- 000 -	3	Q. How many employees does Fusion
3	(Deposition Exhibits 1001	4	currently have?
5	through 1030 were premarked for identification.)	5	A. We have between 15 and 20.
6	(Witness sworn.)	6	Q. How many of those employees are
7	WHEREUPON:	7	engineers?
8	ROBERT S. GIACHETTI, Ph.D., P.E.,	8	A. The majority of them. We only have
9	called as a witness herein, having been	9	two to three admins. So the rest are technical
10	first duly sworn, was examined and	10	staff; not necessarily engineers, but people with
11	testified as follows:	11	a scientific or technical background.
12	EXAMINATION	12	Q. Do you have any reports?
13	BY MS. JELENCHICK:	13	A. I have lots of reports.
14	Q. Good morning, Dr. Giachetti.	14	Q. How many employees at Fusion report to
15	A. Good morning.	15	you?
16	Q. Nice to see you again. I know it's	16	A. Oh, I misunderstood you. I thought
17	been almost seven years since we were last	17	you meant like written technical reports.
18	together for a deposition.	18	Technically speaking, I believe there
19	Do you understand why you're here	19	are four people under me, although our reporting
20	today?	20	structure is a little loose.
21	A. I think I do.	21	Q. Did any of those four individuals
22	Q. Okay. Can you explain to me why	22	support your work for Mr. Turner?
23	you're here today?	23	A. I don't think so. I haven't reviewed
24	A. I'm the an expert witness	24	the invoices before today. So, you know, this
25	testifying on behalf of LifeCORE Fitness for an	25	case has been going for at least a year. So I
	, g		,
	Page 6		Page 8
1		1	
1 2	IPR.	1 2	don't remember the details of everyone who has
2	IPR. Q. Is LifeCORE Fitness, Inc. Your client?	2	don't remember the details of everyone who has taken a look at the technical work.
2	IPR.Q. Is LifeCORE Fitness, Inc. Your client?A. Mr. Turner is my client. Actually,	2	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you
2 3 4	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say.	2 3 4	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true?
2 3 4 5	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion?	2 3 4 5	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices
2 3 4 5 6	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering	2 3 4 5 6	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today.
2 3 4 5 6 7	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me.	2 3 4 5 6 7	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work
2 3 4 5 6 7 8	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located?	2 3 4 5 6 7 8	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today?
2 3 4 5 6 7 8 9	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville,	2 3 4 5 6 7 8 9	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has.
2 3 4 5 6 7 8 9	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois.	2 3 4 5 6 7 8 9	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the
2 3 4 5 6 7 8 9 10	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion	2 3 4 5 6 7 8 9 10	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your
2 3 4 5 6 7 8 9	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering?	2 3 4 5 6 7 8 9	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work?
2 3 4 5 6 7 8 9 10 11	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The	2 3 4 5 6 7 8 9 10 11 12	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I
2 3 4 5 6 7 8 9 10 11 12 13	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering?	2 3 4 5 6 7 8 9 10 11	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an
2 3 4 5 6 7 8 9 10 11 12 13	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct.	2 3 4 5 6 7 8 9 10 11 12 13 14	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them
2 3 4 5 6 7 8 9 10 11 12 13 14 15	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct.	2 3 4 5 6 7 8 9 10 11 12 13 14	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for
2 3 4 5 6 7 8 9 10 11 12 13 14 15	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion? A. Yeah. I'm the director of mechanical	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for accuracy. And then she takes care of sending them
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion? A. Yeah. I'm the director of mechanical engineering.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for accuracy. And then she takes care of sending them out, usually on a monthly basis.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion? A. Yeah. I'm the director of mechanical engineering. Q. What are your duties and	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for accuracy. And then she takes care of sending them out, usually on a monthly basis. Q. Do you know how many invoices have
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion? A. Yeah. I'm the director of mechanical engineering. Q. What are your duties and responsibilities as the director of mechanical	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for accuracy. And then she takes care of sending them out, usually on a monthly basis. Q. Do you know how many invoices have been issued by Fusion thus far?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion? A. Yeah. I'm the director of mechanical engineering. Q. What are your duties and responsibilities as the director of mechanical engineering?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for accuracy. And then she takes care of sending them out, usually on a monthly basis. Q. Do you know how many invoices have been issued by Fusion thus far? A. I do not.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion? A. Yeah. I'm the director of mechanical engineering. Q. What are your duties and responsibilities as the director of mechanical engineering? A. So I do consulting work. I do some	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for accuracy. And then she takes care of sending them out, usually on a monthly basis. Q. Do you know how many invoices have been issued by Fusion thus far? A. I do not. Q. In what increment of time do you
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	IPR. Q. Is LifeCORE Fitness, Inc. Your client? A. Mr. Turner is my client. Actually, he's Fusion's client, I should say. Q. Who is Fusion? A. Fusion Engineering is the engineering firm that employs me. Q. Where is Fusion located? A. Fusion Engineering is in Naperville, Illinois. Q. When did you go to work for Fusion Engineering? A. November of 2020, I think. The pandemic has blurred my concept of time, but I think that's correct. Q. Do you have a job title at Fusion? A. Yeah. I'm the director of mechanical engineering. Q. What are your duties and responsibilities as the director of mechanical engineering? A. So I do consulting work. I do some marketing work for Fusion. I try to do some	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	don't remember the details of everyone who has taken a look at the technical work. Q. Your response suggested that you reviewed invoices today. Is that true? A. No. I haven't reviewed any invoices in advance of today. Q. Have you issued invoices for your work before today? A. Fusion has. Q. Did you have any role in the preparation of invoices to Mr. Turner for your work? A. Yeah. The way it works is that I enter time in a computer system. Then we have an accounting admin who prepares bills. I check them over for at that time, I check them over for accuracy. And then she takes care of sending them out, usually on a monthly basis. Q. Do you know how many invoices have been issued by Fusion thus far? A. I do not. Q. In what increment of time do you record your time?

Page 9 Page 11 1 A. Correct. engagement by Mr. Turner's office? 2 A. Mostly, my familiarity with the prior 2 Q. And how regularly do you -- or irregularly do you enter your time? art in the treadmill space and my familiarity with 3 3 4 A. I try to enter my time once a week. I 4 power transmission components and, basically, my don't always succeed. professional background. 5 5 Q. How did you become aware of this Q. Your familiarity with the prior art in 6 6 particular engagement? 7 the treadmill space, that was a consequence of 7 A. Someone from Mr. Turner's office your engagement by Chapco and Samsara, correct? 8 reached out to me and asked if I had any interest A. Partially. I mean, I have a big 9 in this matter. And we did a conflict check, and background in biomechanics; and I worked with 10 10 then I accepted the job. 11 treadmills as part of my academic life in 11 Q. Do you know who specifically contacted biomechanics. So I did have familiarity with 12 12 you about this engagement? treadmills in advance of that -- that retention, 13 13 which is, you know, why I was qualified for being A. I can't remember her name. I think it 14 might have been a Rachel, but I can't remember 15 a technical expert. 15 Q. Before accepting the engagement with specifically her name. 16 16 O. Was it Rebecca Cantor? Mr. Turner, did you have any substantive 17 17 A. Yes. discussion with him or anyone at his office about 18 18 Q. Do you recall when Ms. Cantor the merits of the potential challenge to the 19 19 contacted you? Woodway patents? 20 20 A. No, not specifically. A. Do you mean in this -- "this," what 21 21 Q. Other than conducting a conflict we're doing right now -- or in the past case? 22 22 check, did you do any other preliminary assessment O. In this case. I am talking about 23 to evaluate whether this was an engagement you before you were engaged by Mr. Turner and his 24 24 wanted to accept? office, did you talk with him or anybody in his 25 Page 10 Page 12 A. Well, I recall my involvement from the office about the merits of the potential challenge 1 other litigation. And so I was -- I felt pretty that LifeCORE Fitness intended to raise? 2 familiar with the topic, so I didn't do any more 3 A. I don't remember our conversation 3 research. specifically, but they did tell me that the rules 4 Q. What did you mean by "the other for this were different from that litigation. So 5 5 6 litigation"? 6 I basically came into this with a -- with an open A. So something like seven years ago, 7 mind. 7 another company I believe had infringement and Q. Do you have any understanding as to 8 8 9 validity contentions against Woodway; and I was a 9 how the rules are different in IPR proceedings part of that as their technical support. relative to district court litigation? 10 10 O. Is the company or companies that A. Well, you know, I addressed the law as 11 11 12 you're referring to Chapco or Samsara Fitness? I understand it, which is what Mr. Turner and his 12 A. I believe those -- those were the office has instructed me; and those are in my 13 parties involved, and I think you were the reports. You know, off the top of my head, you 14 attorney for them -- or for Woodway at that time know, I know that the IPRs prefer prior art that 15 also. has not been before the examiner and that, you 16 16 You recall in that prior litigation, know, that -- I think that's the big one that 17 17 Woodway alleged Chapco and Samsara were infringing stands out in my mind as I sit here. 18 18 its patents, correct? But I did discuss in my reports what 19 19 A. I didn't remember. I didn't -- I my understanding of the law was based on, you 20 20 don't remember, until you said that, who initiated know, what Mr. Turner told me. 21 21 22 Q. Going back to that original call with that litigation. 22

What about your involvement from the

past litigation between Woodway and Chapco/Samsara

made you feel pretty familiar with the proposed

23

23

24

25

Ms. Cantor, do you remember if there was anybody

else on the phone with you at that time?

A. The initial call was just Ms. Cantor.

Page 13 Page 15 1 Q. And during that call, you indicated 1 Not that I know of. there was some discussion or reference to IPR Do you own any Woodway fitness 2 2 Q. rules being different than district court rules; equipment? 3 4 is that correct? 4 A. Nope. A. I don't think that that was the -- the Q. Have you ever owned any Assault 5 5 Fitness equipment? first conversation. You know, we had a couple of 6 conversations, I think, before the case really got 7 Not to my knowledge. 7 off the ground. And I'm sure we discussed that in Do you belong to a health club or a 8 8 Q. one of the preliminary calls. 9 9 gym? You know, it's over a year ago. I I do. 10 10 Α. don't remember with a ton of clarity one call to 11 Do you know what type of treadmills 11 the other at the -- at the very beginning. your health club carries? 12 12 Q. Do you have an approximate date as to MR. TURNER: Objection. 13 13 when Ms. Cantor called you in the first instance Q. If any? 14 14 about this potential engagement? MR. TURNER: Objection. Relevance. 15 15 A. The exact date, no. I could say A. I have walked by their treadmills. I 16 16 probably late 2022 or early 2023 is probably the could not tell you what kind they are. 17 17 best estimate I could give. Q. Is it fair to say you're not using 18 18 Q. Is it fair to say she contacted you treadmills at your gym? 19 19 about a year ago? Regularly, yeah. I used it once. 20 20 A. Give or take. That was good enough for me. 21 21 Q. At the time that Ms. Cantor reached (Reporter clarification.) 22 22 out, had the decision already been made for 23 I used it once. That was good enough LifeCORE to file IPR challenges, if you know? for me. 24 24 25 A. I don't remember. Q. Do you know whether your health club 25 Page 14 Page 16 Q. Do you recall any specifics of your has nonmotorized treadmills? 1 1 initial phone call with Ms. Cantor in this matter? A. I do. 2 2 Q. What does the phrase "nonmotorized A. Not really. 3 3 Q. Do you recall which entities you ran treadmills" mean to you? 4 4 conflicts on following your call with Ms. Cantor? A. Nonmotorized means that the user or 5 5 A. LifeCORE, at least. I don't remember 6 the operator of the treadmill provides the force if there were any others. Probably Assault, but 7 to move the running surface while they're 7 I'm not sure beyond that. exercising. 8 8 9 Q. Before Ms. Cantor's call with you, 9 O. A nonmotorized treadmill does not have were you familiar with LifeCORE Fitness, Inc.? a motor, does it? 10 10 A. No, not from a technical standpoint. A. I think that -- operationally 11 11 You know, if I had walked by one of their pieces speaking, that --12 12 of equipment in a gym, I might have seen it, but Q. (Sneezing.) 13 13 not -- not anything that I knew as like a brand or Bless you. 14 14 A. anything like that. Thank you. 15 15 Q. Before Ms. Cantor's call with you A. I would say that if there is a 16 16 about this potential engagement, were you familiar treadmill that gives you the option where you 17 17 with the Assault Fitness brand? 18 could shut the motor off and still use it, that 18 A. I know that I've heard of Assault that would also count as a nonmotorized one 19 19 Fitness in the past, but that -- that's the only because you could use it in that configuration. 20 20 -- just like an inkling that I recognize the name. So I would say without a motor or has the option 21 21 And that's all that I had at the time that I just to use it without the motor on. 22 22 23 spoke -- first spoke to her. 23 Q. What's the name of your health club?

equipment?

24

25

Q. Do you own any Assault Fitness

24

25

O.

East Bank Club.

Where is it located?

	odway USA, Inc.	1	January 9, 2024
	Page 17		Page 19
_	A Televille and the second of home		A . C
1	A. It's about three blocks west of here.	1	A. Some of it.
2	Q. Does the East Bank Club have	2	Q. Is there another treadmill matter that
3	nonmotorized treadmills?	3	you're referring to?
4	A. They have a few.	4	A. No.
5	Q. Do you know which brand?	5	Q. How do you know that, with IPRs, the
6	A. I don't. I know they have more than	6	Patent Office prefers prior art that has not been
7	one brand.	7	before the examiner?
8	Q. Do you know if they have a Woodway	8	A. Well, I understand that from what
	Curve treadmill?		Mr. Turner told me.
9		9	
10	A. I do not.	10	Q. Do you have any other basis for that
11	Q. Do you know if they have an Assault	11	opinion?
12	Fitness nonmotorized treadmill?	12	A. No. No. I don't have a law degree,
13	A. I don't. I don't know what kinds they	13	and I didn't pass the patent bar, and I did not
14	have. They only have two or three, total.	14	stay at a Holiday Inn last night. So I don't
15	Q. Okay. The East Bank Club also has	15	know.
16	motorized treadmills, right?	16	Q. Was it important for you to identify
17	A. Yes. They have about 50 or 100 of	17	potential prior art that had not been considered
18	them.	18	by the examiner for the purposes of this
			• •
19	Q. Is it fair to say you're not a runner?	19	engagement?
20	A. That is more than fair.	20	MR. TURNER: Objection. I'd like to
21	Q. When did you learn that LifeCORE	21	caution the witness about any privileged
22	Fitness intended to file inter partes review	22	communications.
23	challenges to certain Woodway patents?	23	A. Could you repeat that question?
24	A. I think that was early on in the	24	Q. Sure.
25	conversations I had with Mr. Turner's office.	25	Was it important for you to identify
	Page 18		Page 20
	Page 18		Page 20
1	Q. Were you personally involved in the	1	potential prior art that had not been considered
1 2	-	1 2	
	Q. Were you personally involved in the		potential prior art that had not been considered
2	Q. Were you personally involved in the decision as to whether to file one or more IPR	2	potential prior art that had not been considered by the examiner for the purposes of this engagement?
2 3 4	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No.	2 3 4	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the
2 3 4 5	 Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the 	2 3 4 5	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art
2 3 4 5 6	 Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR 	2 3 4 5 6	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But
2 3 4 5 6 7	 Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? 	2 3 4 5 6 7	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole,
2 3 4 5 6 7 8	 Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. 	2 3 4 5 6 7 8	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless.
2 3 4 5 6 7 8 9	 Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's 	2 3 4 5 6 7 8 9	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted
2 3 4 5 6 7 8 9	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest,	2 3 4 5 6 7 8 9	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing
2 3 4 5 6 7 8 9 10	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement?	2 3 4 5 6 7 8 9 10	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if
2 3 4 5 6 7 8 9	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls.	2 3 4 5 6 7 8 9	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know?
2 3 4 5 6 7 8 9 10	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back	2 3 4 5 6 7 8 9 10	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea.
2 3 4 5 6 7 8 9 10 11	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls.	2 3 4 5 6 7 8 9 10 11	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know?
2 3 4 5 6 7 8 9 10 11 12	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back	2 3 4 5 6 7 8 9 10 11 12	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea.
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art	2 3 4 5 6 7 8 9 10 11 12 13 14	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed? A. Well, I know they had some; but I also	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you. Q. Did Ms. Cantor identify how she came
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed? A. Well, I know they had some; but I also did a refresh refreshed search, and I also had	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you. Q. Did Ms. Cantor identify how she came across your name as a potential expert?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed? A. Well, I know they had some; but I also did a refresh refreshed search, and I also had some familiarity from from the last time I did	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you. Q. Did Ms. Cantor identify how she came across your name as a potential expert? A. I don't remember.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed? A. Well, I know they had some; but I also did a refresh refreshed search, and I also had some familiarity from from the last time I did a treadmill matter.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you. Q. Did Ms. Cantor identify how she came across your name as a potential expert? A. I don't remember. Q. As part of your duties at Fusion, do
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed? A. Well, I know they had some; but I also did a refresh refreshed search, and I also had some familiarity from from the last time I did a treadmill matter. Q. And the prior art that you were	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you. Q. Did Ms. Cantor identify how she came across your name as a potential expert? A. I don't remember. Q. As part of your duties at Fusion, do you have any responsibility for monitoring new
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed? A. Well, I know they had some; but I also did a refresh refreshed search, and I also had some familiarity from from the last time I did a treadmill matter.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you. Q. Did Ms. Cantor identify how she came across your name as a potential expert? A. I don't remember. Q. As part of your duties at Fusion, do
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Were you personally involved in the decision as to whether to file one or more IPR petitions? A. No. Q. Did you offer an opinion as to the possibility of success of one or more IPR petitions challenging the Woodway patents? A. No. Q. After you confirmed from Mr. Turner's office that Fusion had no conflicts of interest, what happened next with your engagement? A. I think we had some more phone calls. I think yeah. I can't really remember back that far what the what the steps were. But, you know, it involved, you know, prior art reviewing prior art and things like that. Q. Who identified the prior art that was being reviewed? A. Well, I know they had some; but I also did a refresh refreshed search, and I also had some familiarity from from the last time I did a treadmill matter. Q. And the prior art that you were	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	potential prior art that had not been considered by the examiner for the purposes of this engagement? A. I think just with the with the knowledge that it's more favorable to have art that has not been before the examiner before. But I still looked at the prior art as a whole, regardless. Q. From the time that you were contacted by Mr. Turner's office until you began reviewing prior art, approximately how much time elapsed, if you know? A. I have no idea. Q. Do you have any sense of whether it was a week, a month, a couple months, a few months, six months? A. I don't know. It was less than six months, that's for sure; but I could not tell you. Q. Did Ms. Cantor identify how she came across your name as a potential expert? A. I don't remember. Q. As part of your duties at Fusion, do you have any responsibility for monitoring new

Page 24

Page 21 1 Q. As part of your duties at Fusion, do 1 you have any responsibility for monitoring any new 2 2 for this matter? inter partes review or Patent Office proceeding? 3 A. 4 A. No.

Apart from any duties that you have 5 with Fusion personally, is it of interest to you

what may be happening in patent infringement 7 matters? 8

MR. TURNER: Objection. Relevance. 9

A. I try to keep up with the role of 10 experts. Or, for example, if, you know, 11

there's -- I know that there was an expert who 12

basically disqualified himself from a case because 13

he didn't qualify as a -- as a POSA. 14 15 So like things like that, I have

interest in. But I don't follow IPRs being filed, 16

and I don't follow any sort of litigation that's 17

being pursued at all. 18

Q. Following the issuance of your 19 opinions and deposition in the Chapco and Samsara 20

infringement matter, did you keep tabs on that 21

litigation? 22

2

3

6

7

8

18

23 A. No, not at all.

Q. When Ms. Cantor contacted you about a 24

potential IPR engagement, was that the first time

Q. How was your hourly rate decided upon

Fusion sets my hourly rate on a yearly

4 basis.

5 Q. Is it fair to say you were engaged in

2023? 6

8

7 I don't remember. A.

Paragraph 17 of your declaration,

which is Exhibit 1003, which is there in Volume 1 9

of the binders, it states: Fusion Engineering is 10

being compensated for my work in this matter at a 11

rate of \$300 per hour for my time. 12

Does that refresh your recollection as 13 to when you may have been engaged by Mr. Turner's office, based on the hourly rate? 15

A. Can you point me to that paragraph? 16

Sure. It's paragraph 17. 17

17, yeah. So that was my hourly rate

in 2023. 19

18

23

Q. Now that the calendar has flipped to 20

January of 2024, do you have a rate increase? 21

22

O. What's your new rate?

A. 410. 24

Is your work from January 1st, 2024 25

Page 22

that you heard that Woodway had sued LifeCORE for

patent infringement? billed out at \$410 per hour? 2 A. I don't even think that she mentioned 3

that Woodway was suing at the -- I don't remember 4

what our conversation was at the time about that. 5

Q. Do you know that Woodway is suing LifeCORE Fitness for patent infringement now?

A. Based on what you've told me, yes.

9 Before today, did you have any

knowledge about Woodway's lawsuit against LifeCORE 10

Fitness for patent infringement? 11 12

A. I have no knowledge of it. I only

knew that there may be infringement reports in the 13

-- in the coming year. But beyond that, I had no 14 clue or concept about what the suit was. 15

Q. Where does your knowledge about the 16 potential for infringement reports come from? 17

MR. TURNER: Objection.

19 Mr. Turner.

Q. At the time that you were working on 20

any of your declarations for your engagement for 21

22 Mr. Turner's office, did you have any knowledge of 23 Woodway's patent infringement lawsuit against

LifeCORE Fitness? 24

A. No. 25

through the conclusion of this year going to be

A. I believe so.

4 Q. Does a \$390 per-hour rate refresh your

recollection as to the approximate timing as to 5

6 when Ms. Cantor may have called you in the first 7 instance on this potential engagement?

A. No. Because if she called me and we 8

9 begin the engagement, I wouldn't have billed for any of that time. So the call could have been in 10

2022. 11 12 Is it fair to say that any substantive

work that you've done on this matter would have 13 occurred in 2023, given the identified hourly 14

rate? 15

16

20

That's probable.

Did you or Fusion send an engagement 17

letter to Mr. Turner's office for this matter? 18 I don't recall. Usually there is an 19

engagement letter involved in new matters, and I

don't recall if we sent them one or they sent us 21 22

23 Prior to this engagement, have you personally worked with anybody from Brooks 24

Kushman? 25

	Jaway Coll, Inc.	_	,
	Page 25		Page 27
	A. No.	_	A. That is.
1		1	
2	Q. Do you know whether anybody at Fusion	2	Q. And it indicates that you executed
3	has previously worked with Brooks Kushman?	3	this declaration under penalty of perjury on April
4	A. I don't know.	4	12th of 2023; is that right?
5	Q. Do you have any flexibility in your	5	A. That's what it says.
6	hourly rate?	6	Q. Seeing the date in which you signed
7	A. I think under special circumstances	7	this particular declaration, does that refresh
8	that Fusion might, but I'm not sure what those	8	your recollection as to the timing of when Ms.
	circumstances might be.	9	Cantor reached out in the first instance about
9	-		
10	Q. So there were no special circumstances	10	this potential engagement?
11	at play in your engagement with Mr. Turner's	11	A. No.
12	office?	12	Q. Before issuing your opinions, did
13	A. Correct.	13	anybody at Fusion review your work?
14	Q. Do you know whether Fusion required a	14	A. Yes.
15	retainer for this matter?	15	Q. Who was that?
16	A. I don't recall that we did.	16	A. My recollection is that it was
17	Q. Did you offer a preliminary budget for	17	Kevin Jones, but I'm not entirely sure about that.
18	the work that you were going to do on this	18	Q. Okay. Who is Kevin Jones?
	engagement?	19	A. He is one of the shareholders of
19			
20	MR. TURNER: Objection. Relevance.	20	Fusion.
21	A. I don't recall.	21	Q. Is Mr. Jones your boss or one of
22	Q. Do you recall whether anybody from	22	your bosses?
23	Mr. Turner's office asked for an assessment as to	23	A. No.
24	the approximate billings for the contemplated	24	Q. Do you report to Mr. Jones?
25	engagement?	25	A. No.
		_	
	Page 26		Page 28
	Page 26		Page 28
1	A. I don't remember.	1	Page 28 Q. Why was Mr. Jones reviewing your work?
1 2			
	A. I don't remember.	1	Q. Why was Mr. Jones reviewing your work?
2	A. I don't remember.Q. Do you have an estimation in how	1 2	Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in
2	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter?	1 2 3 4	Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate
2 3 4 5	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the 	1 2 3 4 5	Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective.
2 3 4 5 6	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. 	1 2 3 4 5 6	Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical
2 3 4 5 6 7	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those 	1 2 3 4 5 6 7	Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background?
2 3 4 5 6 7 8	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? 	1 2 3 4 5 6 7 8	Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes.
2 3 4 5 6 7 8 9	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. 	1 2 3 4 5 6 7 8	Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know?
2 3 4 5 6 7 8	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that?	1 2 3 4 5 6 7 8 9	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is
2 3 4 5 6 7 8 9	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry 	1 2 3 4 5 6 7 8 9 10	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical
2 3 4 5 6 7 8 9	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. 	1 2 3 4 5 6 7 8 9	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well.
2 3 4 5 6 7 8 9 10	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry 	1 2 3 4 5 6 7 8 9 10	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical
2 3 4 5 6 7 8 9 10 11	 A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. 	1 2 3 4 5 6 7 8 9 10 11	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well.
2 3 4 5 6 7 8 9 10 11 12	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees	1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer?
2 3 4 5 6 7 8 9 10 11 12 13 14	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on the outstanding list. So I'm confident that there	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report. Q. Did he offer any suggested revisions?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on the outstanding list. So I'm confident that there is nothing outstanding for 2023.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report. Q. Did he offer any suggested revisions? A. I don't remember.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on the outstanding list. So I'm confident that there is nothing outstanding for 2023. Q. So if you flip to the last page of	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report. Q. Did he offer any suggested revisions? A. I don't remember. Q. Do you recall making changes based on
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on the outstanding list. So I'm confident that there is nothing outstanding for 2023. Q. So if you flip to the last page of Exhibit 1003	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report. Q. Did he offer any suggested revisions? A. I don't remember. Q. Do you recall making changes based on Mr. Jones's review?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on the outstanding list. So I'm confident that there is nothing outstanding for 2023. Q. So if you flip to the last page of Exhibit 1003 A. Okay.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report. Q. Did he offer any suggested revisions? A. I don't remember. Q. Do you recall making changes based on Mr. Jones's review? A. I don't remember.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on the outstanding list. So I'm confident that there is nothing outstanding for 2023. Q. So if you flip to the last page of Exhibit 1003	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report. Q. Did he offer any suggested revisions? A. I don't remember. Q. Do you recall making changes based on Mr. Jones's review?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. I don't remember. Q. Do you have an estimation in how many or how much in fees has been invoiced by Fusion for this matter? A. No. I haven't reviewed any of the invoices before today. Q. Do you know whether any of those invoices have been paid? A. Yes. They have been. Q. How do you know that? A. Because I haven't gotten any angry admin e-mails about it. Q. It's fair to say you don't know whether or if there is any amount in fees outstanding for your work in issuing your opinions, is there? A. I think that I would have known. Because at the year-end, we try to clean up the books; and I don't remember this matter being on the outstanding list. So I'm confident that there is nothing outstanding for 2023. Q. So if you flip to the last page of Exhibit 1003 A. Okay.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Why was Mr. Jones reviewing your work? A. I think he has a good technical eye, and he was available. And he has experience in patent matters as well, so he was a good candidate to review this from a technical perspective. Q. Does Mr. Jones have a technical background? A. Yes. Q. What is his background, if you know? A. Primarily, his academic background is metallurgy; but he is a well-qualified mechanical engineer as well. Q. Why do you say he's well-qualified as a mechanical engineer? A. Because you've seen his work and it's very good. Q. What specifically did Mr. Jones review, if you know? A. I believe he reviewed my report. Q. Did he offer any suggested revisions? A. I don't remember. Q. Do you recall making changes based on Mr. Jones's review? A. I don't remember.

Woodway USA, Inc. January 9, 2024 Page 29 Page 31 patent matters? that at all. A. I know that he has done work on 2 2 Q. At the beginning of last year, January 2023 through April 12th of 2023, approximately how patents in the past. I don't know what --3 3 4 specifically what patents or what types they were. 4 much of your time was spent working on engagement Q. Has he -- has Mr. Jones been involved for Mr. Turner's office? 5 5 in IPR proceedings, if you know? A. I don't recall. 6 6 7 A. I don't know. 7 Q. Was Mr. Turner's engagement the only Do you know whether Mr. Jones has been thing you were working on in Q1 of 2023? 8 8 A. I don't think so -- no. I had other named as an expert in any patent proceedings, 9 whether they be in the district court or at the things. I couldn't tell you what they are, but it 10 10 was not the only engagement I had in Q1. 11 Patent Office? 11 A. I do not know. But he was reading Have you ever heard the term Procopio? 12 12 Not as I sit here I can't remember it. this from a technical perspective just to make 13 13 sure that, you know, what I was saying, from a Are you familiar with the law firm 14 14 technical standpoint, was correct. Procopio? 15 15 And, you know, as a -- in general, he 16 A. No. 16 reviews almost all the reports that I write. So Q. Is it fair to say that nobody from 17 17 it's my recollection that I sent it through him, Procopio contacted you about any potential 18 18 but I haven't reviewed the invoices to make sure engagement relating to the Woodway patents? 19 19 MR. TURNER: Objection. Relevance. 20 that that is entirely correct. 20 Q. So you know you sent Exhibit 1003 to Not that I remember. 21 21 A. Mr. Jones; but you don't know for certain whether 22 Q. When Ms. Cantor reached out to you, 22 or if he reviewed the substance of the opinions, was that the first time you heard about Woodway's 23 patents since your work in the Chapco/Samsara do you? 24 24 25 A. I think, as I sit here, that I did 25 litigation? Page 30 Page 32 have him review it. I can't be 100 percent sure 1 of that, but it's generally my standard operating Q. How, specifically, was the engagement 2 procedure that I kick out my reports to him before defined with Mr. Turner's office? 3 3 they get published. A. What do you mean by that? 4 4 Q. When you kick out your reports to him, Q. Describe for me what the scope of your 5 5 do you do that electronically or in some other 6 6 engagement is. 7 way? 7 A. Well, it's my role to provide them technical expertise from an engineering A. Usually electronic. 8 9 Q. Do you recall whether, in this 9 perspective for someone who understands what the instance, you sent Mr. Jones an electronic copy or 10

- 10
- a paper copy or something else? 11
 - MR. TURNER: Objection. Relevance.
- A. Yeah. I might have used like a -- an 13
- electronic means, but -- yeah. I don't believe I 14
- printed it out. 15

12

- Q. Do you recall receiving any redline 16
- back from Mr. Jones? 17
- A. I don't. 18
- Q. Do you recall the timing of when you 19
- kicked out Exhibit 1003 to Mr. Jones? 20
- A. I don't. 21
- Q. Do you have a sense of whether it was 22
- 23 shortly before you executed the declaration or
- early on in your work or at some other time? 24
 - A. I don't remember any of the timing of

- POSA is; but I believe that I state what my scope
- is at the beginning of my disclosure. 11
- 12 Q. Can you direct me to where in your declaration that is?
- A. I thought that that was at the 14
 - beginning, but maybe I'm misremembering that.
- Well, I thought that I had that in here, but I 16
- don't see it in the -- in Section 1 through 4, 17
- which is where I thought it was. 18
- 19
 - But I would say that my previous answer for what the scope was is accurate.
- Q. Would you have executed a declaration 21 if there was no engagement letter in place? 22
- 23 A. Yes.
- Did you execute this specific 24
- declaration without an engagement letter in place? 25

25

13

15

	dway USA, Inc.		January 9, 2024
	Page 33		Page 35
1	A. I don't recall.	1	A. So I believe I have three disclosures
2	Q. In your experience, do Fusion's	2	in this matter, and that represents all the work.
3	engagement letters typically describe the scope of	3	I haven't done any work for anything outside of
4	the engagement?	4	this IPR.
5	A. Sometimes they do.	5	Q. When you say disclosures, are you also
6	Q. For those matters that you're working	6	referring to your declarations?
7	on on behalf of Fusion, do you ever execute an	7	A. That's what I meant. Thank you.
8	engagement letter or does somebody else within	8	Q. So one such disclosure is Exhibit 1003
9	Fusion send that out?	9	in IPR2023-00843; is that right?
10	MR. TURNER: Objection. Relevance.	10	A. Correct.
11	wite. Potertiale. Objection. Relevance.	11	Q. In preparing your declarations, did
12		12	you review the inter partes review petition that
13		13	was filed in each proceeding?
14		14	A. No. No, I don't recall that I did.
15		15	Q. Since providing your executed
16		16	declarations, have you reviewed any of the IPR
			proceedings?
17 18		17 18	A. Yes. Since then, I've seen the the
19		19	decision. And I don't remember if I read the
20		20	report that Mr. Turner's office submitted to the
21		21	IPR.
22		22	Q. So you referenced the decision. Are
23			you talking about the institution decision by the
24		23 24	Patent Board?
25		25	A. Yes. I'm not very good with the
25		25	A. Tes. Thi not very good with the
	Page 34		Page 36
			=
1	A I sign the engagement letters that I	1	terminology
1 2	A. I sign the engagement letters that I send out.	1 2	terminology. O. You don't have the lingo down?
2	send out.	2	Q. You don't have the lingo down?
2	send out. Q. Do you recall sending any engagement		Q. You don't have the lingo down?A. I do not. And I read Woodway's
2 3 4	send out. Q. Do you recall sending any engagement letter out in this matter?	2 3 4	Q. You don't have the lingo down?A. I do not. And I read Woodway's contentions.
2 3 4 5	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't	2 3 4 5	Q. You don't have the lingo down?A. I do not. And I read Woodway's contentions.Q. What do you mean by Woodway's
2 3 4 5 6	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one	2 3 4 5 6	Q. You don't have the lingo down?A. I do not. And I read Woodway's contentions.Q. What do you mean by Woodway's contentions?
2 3 4 5 6 7	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember	2 3 4 5 6 7	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my
2 3 4 5 6 7 8	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall.	2 3 4 5 6 7 8	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration.
2 3 4 5 6 7 8 9	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with	2 3 4 5 6 7 8 9	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution
2 3 4 5 6 7 8 9	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE	2 3 4 5 6 7 8 9	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the
2 3 4 5 6 7 8 9 10	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case?	2 3 4 5 6 7 8 9	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed?
2 3 4 5 6 7 8 9 10 11	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until	2 3 4 5 6 7 8 9 10	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't
2 3 4 5 6 7 8 9 10 11 12	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it.	2 3 4 5 6 7 8 9 10 11 12	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed
2 3 4 5 6 7 8 9 10 11 12 13	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the	2 3 4 5 6 7 8 9 10 11	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't
2 3 4 5 6 7 8 9 10 11 12 13 14	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it.	2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I
2 3 4 5 6 7 8 9 10 11 12 13	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness?	2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance. Objection, caution the witness about any	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes reviews, right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance. Objection, caution the witness about any potential privileged communications.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes reviews, right? A. Right. I know that I that's why I
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance. Objection, caution the witness about any potential privileged communications. A. The whole of my work is in the is	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes reviews, right? A. Right. I know that I that's why I have the three declarations.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance. Objection, caution the witness about any potential privileged communications. A. The whole of my work is in the is represented in the disclosures that I that I've	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes reviews, right? A. Right. I know that I that's why I have the three declarations. Q. But you don't recall which IPR
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance. Objection, caution the witness about any potential privileged communications. A. The whole of my work is in the is represented in the disclosures that I that I've made to this point.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes reviews, right? A. Right. I know that I that's why I have the three declarations. Q. But you don't recall which IPR institution decision you reviewed, do you?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance. Objection, caution the witness about any potential privileged communications. A. The whole of my work is in the is represented in the disclosures that I that I've made to this point. Q. What are you specifically referring to	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes reviews, right? A. Right. I know that I that's why I have the three declarations. Q. But you don't recall which IPR institution decision you reviewed, do you? A. I probably read all three of them. I
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	send out. Q. Do you recall sending any engagement letter out in this matter? A. Like I said previously, I don't remember if they sent us one or we sent them one or we just agreed via e-mail. I don't remember I don't recall. Q. Does the scope of your engagement with Mr. Turner's office include supporting LifeCORE Fitness in the district court case? A. I did not have knowledge of that until this morning when you mentioned it. Q. Have you had any role in the preparation of invalidity contentions on behalf of LifeCORE Fitness? MR. TURNER: Objection, relevance. Objection, caution the witness about any potential privileged communications. A. The whole of my work is in the is represented in the disclosures that I that I've made to this point.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. You don't have the lingo down? A. I do not. And I read Woodway's contentions. Q. What do you mean by Woodway's contentions? A. Or their response to my my declaration. Q. So you reviewed the institution decision by the Board. Do you recall which of the institution decisions you reviewed? A. I think I skimmed well, I don't know how many there are; but I know that I skimmed through at least one of them last week, but I don't recall which one it was. Q. You understand that the Board has instituted proceedings for three inter partes reviews, right? A. Right. I know that I that's why I have the three declarations. Q. But you don't recall which IPR institution decision you reviewed, do you?

Page 37 Page 39 1 it. describe my understanding of it. It basically is how to read the patent 2 Q. So for the purposes of today's 2 deposition, we're talking specifically about and how to read the claims. But basically, page 3 3 4 IPR2023-00843 which relates to Woodway Patent 4 15 of my declaration describes my understanding at No. 10,561,884 and some other overlapping the time I wrote this. 5 5 Q. Did you review either Woodway's or background relevant to the other proceedings. 6 6 Do you recall whether the institution 7 LifeCORE's claim construction positions in 7 decision you reviewed related to the '884 patent preparation of your opinions? 8 8 A. No. I don't remember specifically 9 or one of the other patents? 9 A. I think it did. Like I said, I wasn't reviewing those, just what I understood at the 10 10 really paying attention to -- to the specifics of time is -- is contained here. 11 11 it. I was more reading it for a flavor, so 12 12 Q. So if you flip to page 70 of there's high probability that I just skimmed Exhibit 1003, specifically paragraphs 119 through 13 13 through all three and just didn't pay attention. 123 -- do you see where I'm talking about? 14 14 Q. You also referenced that since issuing A. Yes. 15 15 your declarations, you may have reviewed the -- under the heading "Construction Q. 16 16 reports from Mr. Turner's office. By reports, Terms in the Challenged Claims"? 17 17 what did you mean? Yes. 18 18 A. So they have their own -- I don't know You indicate in paragraph 120 that in 19 19 Q. order to properly evaluate certain of the claims what the term -- declaration or petition or 20 20 something that they submit to the IPR. And I did of the '884 patent, you understand that the terms 21 21 of the claims must first be construed; is that skim through that as well, is my recollection. 22 22 O. And what was the timing as to when you 23 23 right? skimmed through the petition? A. Right. 24 24 25 Within the last month. Q. Are you aware that the judge in the 25 Page 38 Q. Was that the first time you looked at district court proceeding issued claim

Page 40

- 1 the petition? 2
- A. Correct. 3
- Q. How many times have you looked at it 4 since then? 5
- 6 A. I probably skimmed it one or two times over the last month, again just to get a flavor 7
- for it. You know, my technical background is all 8
- 9 contained in my declaration, which is really all
- -- all that I'm here for. 10
- Q. Do you know whether the petition you 11 reviewed related to the '884 patent or one of the 12 other Woodway patents? 13
- A. I probably skimmed through the three 14 of them, but I don't know any specifics as I sit 15 here. 16
- Have you reviewed any -- I'll withdraw 17 Q. that. 18
- 19 You're familiar with the phrase "claim" construction"? 20
- A. Yes. 21
- What does that mean to you? 22 Q.
- 23 Claim construction is -- I don't
- remember if I mentioned that in the report, but 24
- claim construction is -- yeah, on page 15, I 25

- constructions relevant to the asserted Woodway 2
- patents? 3

4

- A. I am not sure if I understand the
- question. So is that the -- so based on this
- morning, there is a parallel litigation that's
- 7 happening right now. Is that what you're asking
- me about, if I'm aware of rulings from that? 8
- 9 Well, let me ask a different question.

Are you aware that any of the claim 10

terms in the '884 patent or the other Woodway 11 implicated patents in these proceedings have been 12

construed? 13

A. I think just what's here in my 14

report -- or this declaration is what I'm aware of 15 right now. 16

Q. Okay. So in paragraph 121, you state 17 that you understand that the proposed construction 18

- of the term "shaft," as recited in claims 30, 37, 19
- 39 through 43, 52, and 53, is, quote: A rotating 20
- element used to transmit power from one part to 21
- another, end quote. 22

Did I state that correctly?

- That's what it says there. 24
 - What is your understanding based on?

23

8

Page 43

Page 44

Page 41

- 1 A. I believe that Mr. Turner gave me that information. 2
- Q. Did he tell you where that came from? 3
- 4 A. Probably.
- Do you know where it came from? 5 Q.
 - I don't -- I don't remember as I sit A.
- 7 here.

6

- 8 Q. In paragraph 122, it also indicates
- that you have an understanding that the proposed 9
- construction of the term "safety device," as 10
- recited in claims 30, 33, 37, 38, 50, 54, and 57, 11
- is a device having two ring-shaped components. 12
- Did that understanding also come from 13
- Mr. Turner? 14
- 15 A. Correct, same.
- And you don't know where specifically 16
- that construction came from other than Mr. Turner 17 told you? 18
- A. Not as I sit here. 19
- Q. Is the same true for paragraph 123 as 20
- it relates to the proposed construction of the 21
- term "substantially prevent"? 22
- That's correct. 23 A.
- Is proper claim construction important 24
- for the opinions that you offer in Exhibit 1003? 25

- A. I think that there is a possibility
- that the opinions might change if the terms were 2
- changed. I don't know how much. You know, 3
- 4 that's -- that's kind of a hypothetical here. I'm
- assuming that this is the correct construction of 5
- these terms. 6
- 7 But without knowing what sort of
 - changes, I wouldn't be able to tell you the answer
- 9 to that.
- Q. Why do you assume that the 10
- 11 constructions that you provided in paragraphs 121,
- 122, and 123 are correct? 12
- A. Well, I guess I have to have faith 13
- that those are the correct terms that would -- you 14
- know, that's one of the bases for my opinions. I 15
- accept that as fact because that's what was 16
- explained to me. 17
- Q. For the purposes of the opinions that 18
- you offered in Exhibit 1003 or in your other 19
- declarations, for that matter, you didn't consider 20
- any alternate constructions of these terms, did 21
- you? 22

1

- 23 I don't remember off the top of my
- head. You know, I would have to review those 24
- declarations. But let me just double-check here.

Page 42

- Q. Certainly as it relates to Exhibit
- 1003 and the '884 declaration, you'll agree with 2
- me that you didn't consider any alternate 3
- constructions for the terms shaft, safety device, 4
- or substantially prevents, did you? 5
- 6 A. I don't recall looking at alternative
- 7 constructions.
- Q. Had you looked at alternate 8
- 9 constructions, that would have been detailed in
- your opinions; is that right? 10
- A. Yes. Unless it was just the plain 11
- meaning of those terms. 12
- Q. As part of your engagement by 13
- Mr. Turner's office, it was your responsibility to 14
- review prior art, correct? 15
- Yes. 16
- Describe for me how you proceeded with 17
- your evaluation of the prior art? 18
- A. Well, I, you know, went to the U.S. 19
- Patent Office website, I went to Google Patents, 20
- started going through the history of the '884 21
- patent as far as the sources that it cited, and 22
- 23 started doing digging that way. And then started
- reviewing -- reviewing those patents and just kind 24

A. Well, I think that the analysis that I 1

- made, from a technical perspective, needs to rely 2
- on -- on these constructions; you know, otherwise, 3
- the technical analysis would change if these terms 4
- were defined differently. 5
- 6 So it's important to have the terms
- that you're evaluating defined correctly. 7
- Q. In your view, you used these specific 8 9 proposed constructions in offering the opinions in
- Exhibit 1003? 10
- That's right. 11
- MS. JELENCHICK: Why don't we take 12
- a break since we've been going for over an hour, 13
- if that's okay with you? 14
- THE WITNESS: Sounds great. 15
- (Recess had.) 16
- BY MS. JELENCHICK: 17
- Q. Dr. Giachetti, before the break, we 18
- were talking about the importance of proper claim 19
- constructions. You indicated that your technical 20
- analysis would change in your opinions if the 21
- three terms that you focused on at paragraphs 121, 22
- 23 122, and 123 were different in some way.
- Do you know how your opinions would be 24 25
 - different if the claim construction was different? of -- it's a process of finding something, 25

Page 47

1	reviewing it, and going on to the next one and	1	the '884 patent relative to the other patents that
2	keep going. I think I also went to the National	2	you've offered opinions on in this matter?
3	Archives as well when I was searching.	3	A. No.
4	Q. Did you go back to your file in the	4	Q. Did you turn up a copy of the '884
5	Chapco/Samsara litigation?	5	patent at the PTO website?
6	A. No. But I had some recollection of	6	A. I don't remember. I probably did,
	stuff that I had used; you know, for example, the	7	though.
7	·		
8	standards, the international-type standards and	8	Q. Do you have an electronic file for
9	the national standards.	9	this matter?
10	Q. Is it fair to say part of your	10	A. Yes.
11	engagement in this matter was identifying prior	11	Q. Where is that stored?
12	art for the purposes of LifeCORE's IPR challenge?	12	A. Fusion.
13	A. Yes.	13	Q. Do you have a laptop at Fusion or a
14	Q. When you went to the U.S. Patent	14	desktop?
15	Office website, what did you do there?	15	A. Laptop.
16	A. I searched for I think I tried to	16	Q. Is your electronic file on your
17	look up the '884 patent there, but I don't I	17	laptop's hard drive or on network space at Fusion?
18	don't recall specifically what I did at that	18	MR. TURNER: Objection. Relevance.
19	website because it's like a year ago right now.	19	Q. Or somewhere else?
20	Q. On the PTO website, you may have	20	A. I believe it is networked and probably
21	looked for a copy of the '884 patent. Prior to	21	mirrored onto my laptop.
22	that, had you seen a copy of the '884 patent?	22	Q. Did you save any of your prior art
23	A. I'm sure that Mr. Turner's office sent	23	searching on your electronic file for this matter?
24	me a copy. But I usually find as a good way to	24	A. What do you mean by save my searching?
25	start a search is to start with a patent that you	25	Q. If you turned up an '884 patent from
	Page 46		Page 48
	1 1 1 1 1 1 1 1 1 1		1 D Off: 1
1	have in hand, so that's usually where I start.	1	the Patent Office website, did you save a copy of
2	Q. Why are you sure Mr. Turner's office	2	it anywhere?
3	sent you a copy of the '884 patent?	3	A. Oh. That, I don't know. I have a
4	A. Well, they would have it. And, you	4	copy of it, I just don't know where it came from.
5	know, if we're doing an analysis of it, it's just	5	Q. Do you have a hard-copy file for this
6	the easiest thing for them to just send it to me.	6	matter?
7	So I you know, when I say I'm sure, it's more	7	A. No.
8	like that's my recollection of what likely	8	Q. How do you know whether something
9	happened. I can't say it's 100 percent certain.	9	should be saved to your electronic file for this
10	Q. Do you recall when specifically you	10	matter?
11	first became aware of the '884 patent?	11	A. Well, if I am going to rely on it,
12	A. No.	12	then I'll save it.
13	Q. Were you aware of the '884 patent	13	Q. Do you recall turning up anything else
14	before Mr. Turner's office contacted you about	14	at the PTO website during your searching?
	this engagement?		A. No.
15		15	
16	A. Not that I remember.	16	Q. You indicated you went to Google.
17	Q. When did you first read the '884	17	A. Mm-hmm.
18			
	patent, if at all?	18	Q. What did you do with Google as it
19	patent, if at all? A. Sometime after I was engaged in this	18 19	Q. What did you do with Google as it relates to this engagement?

matter.

keep track.

read the '884 patent?

Q. Approximately how many times have you

Q. Do you know how many times you've read

A. I don't -- I don't remember. I didn't

20

21

22

23

24

25

20

21

22

23

24

25

A. Similar to the U.S. Patent Office, I

did patents.google.com. And I find that that's a

Q. What specifically were you looking for

little more user friendly for searching prior art

than the U.S. Patent website.

at patents.google.com?

January 9, 2024 Page 49 Page 51

- 1 A. Well, I was looking for treadmill art.
- And I was looking for terms in there that might be 2
- good search terms to find other pieces of prior
- 4 art that may not have been found previously. That
- sort of thing. 5
- Q. What search terms did you use on 6
- 7 Google?
- A. I don't remember all of them as I sit 8
- here. I probably used treadmill, treadwheel, 9
- exercise, exerciser, walking, gait. I probably 10
- did a search for like conveyor, things like that 11
- or some combination of those. 12
- Q. On how many separate occasions did you 13
- go to Google Patents and -- and use search terms 14
- to look for a prior art? 15
- A. I couldn't tell you. 16
- O. More than one? 17
- At least, yeah. 18
- Q. More than ten? 19
- 20 A. Maybe, but I don't remember.
- Q. Do you recall when specifically you 21
- first went to Google Patents for searching? 22
- 23 A. No.
- Q. Do you recall approximately how long 24
- after you were engaged by Mr. Turner's office that 25

- 1 In the Patent Office, you know, I
- understand that prior art is written for this. 2
- So, you know, everything in the National Archives 3
- 4 is documented and -- and written or printed. So I
- wanted to see if there was anything in there that 5
- was old that I might not have seen before. 6
 - Q. Did you use search terms for your work
- at the National Archives? 8
- A. I probably did. 9
 - Do you know what those search terms
- were? 11

7

10

18

25

13

- 12 A. I don't, but they'd probably be some
- variant of the ones that I already gave you. 13
- Did you come up with those search 14
- terms, or were those provided to you by somebody 15 else? 16
- Those were my own. 17
 - Did you retain a copy of any of the
- opinions that you offered in the Chapco/Samsara 19
- litigation? 20
- Those are with Exponent; although last 21
- week, Mr. Turner was able to get a copy of, I 22
 - think, my opening report that he sent to me. So I
- skimmed that in advance of this deposition. 24
 - Q. Exponent was your former employer; is

Page 50

Page 52

- you began prior art searching? 1
- A. That's probably one of the first 2
- things that I did, but I don't remember the date. 3
- Q. What did you do with respect to the 4
- National Archives as it relates to searching? 5
- A. Well, I remembered from the litigation 6 seven or eight years ago that there was a very old
- 7 curved treadmill patent, and I was having trouble
- 8 9 finding it. So I looked for that one on the
- National Archives and then also tried to see if 10
- there was anything around it from that same time 11
- 12
- Q. Do you recall which patent that was? 13
- I think it was -- I think the name was 14 A.
- 15 Briggs.
- O. That's a horse running on a treadmill, 16 isn't it? 17
- A. Yes. 18
- Q. What did you mean that you tried to 19
- see if there was anything around it? 20
- A. Well, the National Archives is like a 21
- smattering of -- like of documents stored by the 22
- 23 government. So I was just kind of going through
- trying to search to see if there was anything that 24
- might be in there that wasn't. 25

- that right? 1
- That's right. A. 2
- Why did you leave Exponent? 3 Q.
- I just -- the opportunity at Fusion 4
- was too great to pass up. 5
- 6 Did you leave Exponent on favorable 7 terms?
- MR. TURNER: Objection. Relevance. 8
- 9 A. Yes. No one -- no one asked me to
- leave, if that's what you're asking. 10
- O. What was your opening report in the 11
- Chapco/Samsara litigation about? 12
 - A. Oh, well, I just skimmed it. But it
- was basically talking about the art of treadmills, 14
- how old they are, and the common components within 15
- them, and how a POSA would assemble them for a 16
- treadmill. 17
- Q. Prior to your review of that opening 18
- report from the Chapco and Samsara litigation last 19
- week, when was the last time you saw those 20
- opinions? 21
- 22 A. I don't know. Probably when that last
- 23 matter ended -- or at least my involvement ended.
- I haven't looked at them in between. 24
 - Q. Were you interested in any of your

Patent No. 10,561,884 ROBERT GIACHETTI, Ph.D., P.E. Woodway USA, Inc. January 9, 2024 Page 53 Page 55 other materials at Exponent from the Chapco and paragraphs 78 through 80? Samsara litigation? 2 Yes. And the footnote as well --2 A. A. Well, my interest was just in advance 3 footnotes. 3 of today, it was a good idea to know what I had Q. Are there any other standards that you 4 4 opined previously. So I just read over those reviewed as part of your prior art searching other 5 briefly, but I didn't have any interest in the than those that are identified in paragraphs 78 6 6 7 other stuff. 7 through 80 and the corresponding footnotes? Q. Did you ask Exponent for any of your A. None that I relied on. 8 8 other file materials relating to the Q. Are there any other standards that you 9 Chapco/Samsara litigation? reviewed -- I'll withdraw that. 10 10 11 A. No. 11 Which standards, if any, did you review and reject for the purposes of your 12 Q. Did Mr. Turner ask Exponent for any 12 of your other file materials relating to the analysis --13 13 Chapco/Samsara litigation? A. I don't --14 14 MR. TURNER: Objection. Relevance. Q. -- if any? 15 15 A. I am not privy to any communication he A. I don't think there were any. 16 16 had with Exponent, and I am 100 percent sure that Let's look at Exhibit 1019, which is 17 17 Exponent would not have entertained that idea in Volume 2 of your notebook. Where, if anywhere, 18 18 does Exhibit 1019 discuss the importance of whatsoever. 19 19 Q. Why is that? unidirectional movement of the running surface? 20 Because he wasn't the client in that (Reporter clarification.) 21 A. 21 MS. JELENCHICK: The running surface. matter. 22 You referenced certain standards in A. I'm not sure that this one does. I O. 23

24

11

16

17

18

20

22

23

your prior art searching. Do you recall which 24

standards you reviewed? 25

> Page 54 Page 56

A. Yeah. Well, I don't know the number 1 off the top of my head; and I'm sure that I put it 2 in the declaration here. But, you know, there is

basically an ISO standard for treadmills for their 4

safety. 5

And there -- I think there is another 6 international standard that revolves around 7

electrical safety, and then there is the ASTM 8

9 treadmill stuff, and there is -- there's an

Australian standard for treadmills that -- that I 10

would have referred to. But they're -- they 11

should be referred to in this declaration 12

specifically. 13

O. What did you mean by ASTM treadmill 14 stuff? 15

A. So ASTM is a standards body that has a 16

fitness and exercise equipment committee that --17

that I take part in. And they have a number of 18

standards regarding exercise equipment and 19

20 treadmills.

Q. I direct you to page 46 of 21

Exhibit 1003. 22

A. Okay.

Q. Are the standards that you just 24

referred to the ones that are identified in

Let me take a look here. Yeah, I 1

don't believe the ASTM one talks about 2

unidirectional nature of treadmills, just that it 3

think the international standard talks about a

treadmill having a unidirectional running surface.

4 should have an ability to stop for emergencies.

Where specifically is the disclosure 5 regarding the ability to stop for emergencies in 6 7 Exhibit 1019?

A. That is -- yeah, 4.9.3. Treadmills 8 9 shall be equipped with immobilization --10

(Reporter clarification.)

Oh, sure.

4.9.3: Treadmills shall be equipped 12 with an immobilization method to prevent 13 unauthorized operation, which includes a key or a 14 pullout switch or a lock. 15

Q. In your view, is 4.9.3 talking about anything other than that magnetic tether that's appended to -- to treadmills that pulls out if you fall?

19 20 A. Yeah. So that, in conjunction with

4.8.2, you know, basically is emergency situations 21 to stop the treadmill from moving. But there is 22

23 not a unidirectional clause in the AS -- this ASTM

standard. 24

Q. Is 4.9.3 directed to emergency

23

Page 57 Page 59 situations only? over your tenure? 1 A. I don't think so. It includes the A. Well, I think there are actually a 2 2 term "unauthorized." couple of hundred members in that committee. And 3 3 4 Q. Why is that term relevant? 4 in the furniture group, while the whole committee -- the hundreds of people -- vote on Well, that's not emergency. It's 5 5 unauthorized, so it's a little different. everything, the furniture safety committee, that's 6 Q. What does unauthorized operation by 7 actually a bit smaller; so that's probably around 7 third parties mean to you? 50 people. Somewhere 50 to 100 people have --8 8 A. For this -- this clause, I would say participate in that more actively. 9 9 people who should not be using the treadmill. Q. How long have you been on the 10 10 committee relating to the sports equipment and Q. Who falls within that category? 11 11 playground? A. Probably children. 12 12 O. Anybody else? A. About the same amount of time. 13 13 A. I can't think of any as I sit here. Q. Over your tenure, how large of a 14 14 There could be some other categories though. committee has that group been? 15 15 Q. According to your CV, you have some A. It's similar. It's a little bit 16 16 role or roles with the ASTM body; is that right? smaller, but still a lot of people. 17 17 A. That's right. Q. Do either of those committees address 18 18 Q. Can you describe for me what your role standards relating to treadmills? 19 19 currently is? A. Yes. 20 20 A. Sure. I'm a committee member for --Do both of those committees address 21 21 O. on their consumer products committee. I also lead standards relating to treadmills? 22 22 some of the task groups that are writing the A. Just the sports one. 23 standards for consumer products. So not the consumer products 24 24 25 So, for example, right now I'm 25 committee, the sports equipment and playground? Page 58 Page 60 involved in furniture tip-over with the consumer A. Correct. I mean, one can call from 1 products committee. So I basically had a large the other; but in general, the treadmills stay in 2 part in rewriting the dresser tip-over standard the sports committee. 3 3 and the test methods for that. Q. Over your tenure, did you have any 4 4 I have since transitioned from that role in proposing safety standards associated with 5 5 treadmill use or operation? 6 role to now I'm leading a test group for 6 determining the testing standards for tethers, to 7 A. No. 7 tether dressers to the wall. That's an ongoing Q. In paragraph 78 of your declaration, 8 8 9 thing right now. 9 you indicate that the ASTM standard that you're referencing was published in 2005; is that right? And then I'm also a member of the 10 10 sports equipment -- I forgot what the exact title That's right. 11 11 of it is. That's basically the sports equipment 12 Is that based on Footnote 1 of the 12 Q. and playground committee. And in that, I'm -- I 13 exhibit? 13 don't lead any of the -- any of the task groups of A. Oh, that. And I'm looking at it in 14 14 that. I'm more of a -- join the meetings and vote the -- in the binder you provided. So it says 15 15 on changes, which is something I also do in the dash 05, which means 2005. 16 16 other committees. Q. So the title at the top, the 17 17 But I've also taken part in other -designation in Exhibit 1019, F2115-05 denotes 18 18 in other standards, like the market umbrella 2005? 19 19 standard is brand-new. And I was on the initial 20 20 A. The dash 05 does, yeah. committee that was putting that together. Q. In your work with ASTM on your 21 21 22 Q. How long have you been a committee 22 committees or otherwise, have you had occasion to

member on the consumer products committee?

How large of a committee has that been

Around ten years, give or take.

23

24

25

23

24

25

be involved in any discussions regarding the scope

A. I don't recall giving input on the

of this particular standard?

Page 63

Page 64

Page 61

- scope. I think that I gave input on some other
- parameters at one of the meetings a number of 2
- years ago. 3

6

- 4 Q. And what parameters do you recall giving input on? 5
 - A. I think it was along the lines of the
- consistency of like the nomenclature of the 7
- different portions of the treadmill. I don't 8
- remember if it was the standard specifically or
- not, but that's my recollection. 10
- 11 Q. And any input that you provided to this particular standard would have been sometime
- 12 after its original publication date in 2005? 13
- Yeah. It was well after that. 14
- Where, if at all, does Exhibit 1020 --15
- which, as I understand it, is directed to the 16
- international standard you were previously 17
- referencing -- address, if at all, unidirectional 18
- movement of the running surface? 19
- 20 A. It defines that as a -- when it
- defines what a treadmill is, it says that a 21
- treadmill is training equipment with a 22
- unidirectional moving surface on which a walking 23
- or running activity can take place where the feet 24
- 25 are free to leave the moving surface.

- 1 Q. How do you know that the ISO standard
- is basically a copy of EN 957-6? 2
- A. It says that in the forward. So it 3 4 says: ISO 20957-6 was prepared by --
 - (Reporter clarification.)
- So it says ISO 20957-6 was prepared by 6
- 7 CEN, and, in parentheses, as EN 957-6, end 8
 - parentheses.
- And then at the -- I'm not going to 9 cite the rest of that paragraph. But on the next 10
- page, you can see the top -- actually, page 3, you 11
- can see that it says, at the top, EN 957-6:2001. 12
- And so that means it came out in 2001. 13
- Q. Prior to your prior art searching for 14 this engagement, did you have any professional 15
- involvement with this particular ISO standard? 16
- A. Not in its creation; only in its use, 17 18 like application to projects and things like that.
- Q. How has the ISO standard in 19
- Exhibit 1020 been used in application by you? 20
- A. Oh, for like stability and things like 21
- that. Basically, it's a safety -- safety 22
- standard. 23
- Q. Have you used this particular standard 24
- 25 in connection with the design of any treadmill

Page 62

2

6

10

- O. Where, if anywhere, within Exhibit 1020 does it describe, if at all, how to maintain
- 2 a unidirectional moving surface for a treadmill? 3
- A. I don't know that it specifies the 4
- method that -- I don't -- I don't think that it 5
- 6 does.

1

15

- According to your declaration, you 7 Q.
- identify that this particular ISO standard was 8
- 9 published in 2005; is that correct?
- A. This one was in 2001. The other one 10
- was 2005. Let's see. Well, this one is EN 957, 11
- which is probably cross-listed with -- yeah. So 12
- this is cross-listed with ISO 20957, which was 13
- 2005, correct. 14
 - O. I'm not following.
- So what was the date of publication of 16 the particular standard that defines a treadmill 17
- as a piece of training equipment with a 18
- unidirectional moving surface in which a walking 19
- or running activity can take place where the feet 20
- are free to leave the moving surface? 21
- A. Right. So this ISO standard 20957 was 22
- 23 published in 2005, but it's basically a copy of
- EN 957-6, which is from 2001. So yeah, the ISO 24
- standard is from 2005, though, for clarity. 25

- that you've been involved in? 1
 - A. No.
- 3 Q. Have you used this particular standard
- 4 in connection with the design of any fitness
- equipment that you've been involved in? 5
 - A. I can't recall as I sit here.
- 7 Q. At any point in time, have you been
- involved in the design of a treadmill for a 8
- 9 commercial application?
 - A. I don't think so.
- O. At any point in time, have you been 11
- involved in the design of a treadmill for a 12
- 13 consumer application?
- A. I believe I have. I can't -- I can't 14
- place it, though. I've been involved in a number 15
- of pieces of consumer exercise equipment, like 16
- steppers and ellipticals and exercise bikes. And 17
- I'm pretty sure that there is a treadmill in 18
- there. I just can't remember the specifics. 19
- Q. Have any of those consumer exercise 20 equipment pieces gone to market? 21
 - A. I haven't tracked it. I would assume.
- 23 Are you able to share with me under
- what brand name? 24
 - No. A.

22

Page 67

Page 65

- 1 Q. And that's due to confidentiality
- 2 obligations of your current or former employer?
- 3 A. Correct.
- 4 Q. Is it fair to say that any involvement
- 5 you've had in the design of consumer exercise
- 6 equipment has not been for LifeCORE or Assault
- **7** Fitness?
- 8 A. That's correct.
- 9 Q. Similarly, it's fair to say that any
- involvement you've had in the design of consumer
- 11 exercise equipment has not been for Woodway; is
- 12 that right?
- 13 A. Correct.
- Q. Let's look at Exhibit 1007. What's
- 15 Exhibit 1007?
- A. This is the Australian consumer
- 17 standard for treadmill safety.
- Q. How, if at all, is this particular
- 19 consumer standard used relevant to treadmills?
- A. So this lays out some general
- 21 parameters for suppliers who are selling
- 22 treadmills in Australia in terms of the safety.
- O. Where, if anywhere, does Exhibit 1007
- 24 identify that there must be unidirectional
- 25 movement of the running surface in a treadmill?

- identified are Exhibits 1019 -- excuse me -- are
- **2** Exhibits 1007, 1019, and 1020, respectively; is
- 3 that right?
- 4 A. Probably. The Australian one in this
- 5 binder is 1007, the ISO one is 1020, and ASTM
- 6 F2115 is Exhibit 1019.
- 7 Q. Do any of those standards identify
 - specific solutions to the purported safety
- 9 concerns that you're referencing?
- 10 A. Yeah. So for safety concerns, they
- 11 specify, for example, handrails and emergency
- stops. They specify clearances and things of that
- 13 nature and how durable they should be for use.
- Q. And in your opinion, what are the safety concerns associated with treadmills?
- A. Well, most of them are contained in
- 17 these standards. So for treadmills, you -- there
- is mechanical safety and I would say probably
- 19 electrical safety. You wouldn't want anyone to
- 20 get a shock from it, so you can see that, you
- 21 know, a UL standard is called out. I believe in
- 22 the ASTM standard for mechanical safety, I would
- 23 include like human postural stability in that.
- You don't want the treadmill to break.
 - And then for human stability, you

Page 66

25

5

Page 68

- 1 A. I don't think that it's in this one.
- 2 I don't recall where it is, at least. Let me take
- 3 a quick look.
- Yeah, I don't think that this one
- 5 states that.
- 6 Q. You identify in paragraph 80 that this
- 7 Australian standard was published in 2010. Do you
- 8 have a specific month and date of publication?
- 9 A. I don't have a specific date that it10 was made public, but it became effective as
- 11 Australian law on January 1st of 2011.
- Q. In paragraph 51 of your declaration,
- which is at page 23 --
- 14 A. Okay.
- Q. -- in the last sentence of that
- paragraph, you state: Treadmills have a number of
- safety concerns that are addressed by several
- 18 standards bodies, including The Australian
- 19 Competition and Consumer Comission; ASTM
- 20 International (e.g., ASTM F2115), and
- 21 International Organization For Standardization
- 22 (e.g., ISO 20957).
- Do you see that?
- A. I see that.
- O. Those three standards that are

- 1 would want the person to have, you know, foot
- 2 platforms so that they can enter and exit the
- 3 running surface without falling. You want to make
- 4 sure that when they step on the running surface,
- that it doesn't do something unexpected.
- You want to make sure that the
- 7 clearances involved are -- are set so that there
- 8 is not entrapment hazard, which has been a big
- 9 problem for some treadmill manufacturers. So you
- don't want toes or fingers to get caught or you
- 11 don't want someone to get pulled into the
- underside of the treadmill.
- I'd say those are general -- the
- 14 general safety concerns I have with the treadmill.
- 15 Then beyond that, you would -- you know, you don't
- want a treadmill to run away from someone. You
- want them to be able to stop if they need to.
- 18 Things like that.
- Q. One of the safety concerns that you
- 20 identified there was that with a treadmill, you
- want to make sure that when a user steps on therunning surface, that the running surface doesn't
- do something unexpected; is that right?
- A. That's right.
 - Q. None of these standards that you

13

21

Page 71

Page 69

- 1 identified and that we've been talking about
- 2 identify any specific solutions to that particular
- 3 safety concern, do they?
- 4 A. They don't address that explicitly.
- 5 But they do provide for other solutions, like
- 6 having foot platforms and handle -- handrails
- 7 available.
- 8 Q. How does having a foot platform
- 9 mitigate against the safety concern when a user
- 10 steps on the running surface that it may do
- 11 something unexpected?
- A. Well, I would say that foot platforms,
- coupled with handrails, allow someone to have
- what's called three points of contact, so
- basically two hands and a foot on something that's
- immovable while one foot begins weightbearing on
- 17 something that is potentially moveable. And so
- 18 that would -- that would give some safety to it,
- but not -- not necessarily while running.
- Q. Any other solutions that these
- 21 standards identify to address the safety concern
- associated with the running surface doing
- something unexpected when you step on it?
- A. Nothing that comes to mind as I sit
- 25 here.

12

- 1 Asian or German patents, identified in your
- 2 opinion?
 - A. I -- let me take a look.
- 4 Yeah. I think they're listed in the
- 5 exhibit list on page 6 as the last two entries, I
- 6 believe.
- 7 Q. So the Asian patent is U.S. Patent
- 8 No. 4,635,771 to Shoji; is that right?
- **9** A. Oh, no. I totally misspoke on that.
- 10 It is not on this list, no. No, I don't believe
- 11 we -- we cited it, then. I didn't base any of my
- 12 opinions off of it.
 - Q. So the list of exhibits in
- **14** Exhibit 1003, what is that meant to reflect?
- A. So I believe these are all the things
- that I based my analysis off of, and so these are
- 17 the things that were -- we've been talking about
- 18 here. Yeah, I don't recall basing any of my
- 19 opinions off of those foreign -- foreign patents
- 20 in -- in this declaration.
 - Q. So let's go back to this page 5, list
- of exhibits, right? At Exhibit 1005, it
- 23 identifies the Complaint, Woodway USA, Inc. Versus
- 24 LifeCORE Fitness, Inc. D/b/a Assault Fitness, Case
- No. 3:22-cv-00492-JO-BLM, Southern District of

Page 70

Page 72

- 1 Q. Okay. Have you had any professional
- 2 involvement with the Australian standard at
- 3 Exhibit 1007?
- 4 A. Just reading it.
- 5 Q. Had you occasion to read this standard
- 6 prior to your engagement in this matter?
- 7 A. Yeah. I remembered this one from the previous litigation.
- 9 Q. Prior to the Chapco/Samsara
- 10 litigation, had you had occasion to review the
- 11 Australian standard?
 - A. I don't believe so.
- Q. You indicated that at some time after
- 14 you were engaged by Mr. Turner's office, they
- provided some prior art to you. Do you recall
- which prior art they gave you?
- A. I don't -- I don't remember what they
- 18 had provided me. You know, I think that they gave
- me the Woodway patents. I don't know that they
- 20 gave me any of the prior art, but they -- I think
- 21 they did turn up a -- I think an Asian patent. I
- 22 don't remember if it was Japanese or Chinese. And
- there might have been a German one, but I don't
- 24 recall those specifically off the top of my head.
- Q. Are either of those two patents, the

- California, filed April 11th, 2022. And that also
- 2 includes a reference to a waiver of service.
- 3 Does that refresh your recollection
- 4 that you were aware of the litigation between
- 5 Woodway and LifeCORE d/b/a Assault Fitness, at the
- 6 time that you -- at least as of the time that you
- 7 authored the opinions in this declaration?
- 8 A. Yeah, it does. I should have referred
- 9 to this page when you asked me that question.
- 10 Yeah. I mean, obviously, it's not a big part of
- 11 my opinions; but yeah, I certainly had that in
- 12 front of me.
- Q. You'll agree with me that you also had
- 14 the opportunity and, in fact, cited to certain
- 15 claim construction briefing in connection with the
- opinions that you offered, right?
- A. Correct. Same -- same answer. I just didn't recall seeing those before.
- Q. I'm specifically looking at the claim
- 20 construction related materials that you were
- 21 provided access to. Let's first look at
- **22** Exhibit 1022. It's in Volume 2 of your notebook.
 - A. Okav.
- Q. I'll direct you to the title of the
- 25 document, which is "Responsive Claim Constructions

Page 76

Patent No. 10,561,884 Woodway USA, Inc. Page 73 and Identification of Extrinsic Evidence of rejected LifeCORE's proposed construction, if at Defendant LifeCORE Fitness." Do you see that? 2 2 all? A. Yes. 3 A. I haven't done that analysis. So as I 3 4 Q. And within Exhibit 1022, there is no 4 sit here, I don't -- I don't know that my opinions identification of any -- I'll withdraw that. would change or not. However, at the core of 5 5 Within Exhibit 1022, you'll agree with these, both of them include rotating elements 6 6 me that the claim constructions that are provided 7 transmitting power. So, you know, I don't know 7 are those dueling constructions by the parties -how likely it is that my opinions would change if 8 8 -- if the construction changed. 9 A. That's --9 Q. -- correct? Q. But that's not analysis that you've 10 10 -- what it looks like here. provided in your declaration in Exhibit 1003? 11 11 Q. And if you look specifically at page 4 12 12 Correct. of Exhibit 1022, under the column heading Let's look at page 5 of Exhibit 1022, 13 13 "LifeCORE's Proposed Construction For the Term specifically the row for safety device as found in 14 14 Shaft," you'll see a rotating element used to the '884, '745, and '005 patents. Under the 15 15 transmit power from one part to another. Do you LifeCORE's Proposed Construction heading, it 16 16 see that? states: Device having two ring-shaped components. 17 17 A. I see that. That's the claim construction you 18 18 Q. And that's the construction that you utilized in offering your opinions as it relates 19 19 used for the purposes of offering your opinions to the '884 patent; is that right? 20 20 with respect to the '884 patent; is that correct? That's right. 21 21 (Reporter clarification.) 22 22

Q. And Exhibit 1003 doesn't include any analysis of how your opinions may change, if at all, if that construction is rejected by the

24

Court, correct? 25

Page 74

23

1 hallow or solid element part rod, two-member piece 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A. Yeah, I don't recall performing that analysis.

Q. Also, on page 5 of Exhibit 1022, for the claim term phrase "substantially prevent" --

Okay. A.

-- if you look under LifeCORE's proposed construction, it identifies a

construction that this phrase means: Allow

minimal rotation or movement before preventing any

further rotation of movement. Do you see that?

Yeah. Except I think it says "or" movement at the end instead of "of" movement.

Oh, excuse me. I'm sorry. I Q. misspoke.

So substantially prevent, as construed by you in offering your opinions in Exhibit 1003, relies on application of LifeCORE's proposed 17

construction, right? 18

That's right.

19 And Exhibit 1003 does not include any 20 discussion of an alternate claim construction 21 should the Court have rejected LifeCORE's proposed 22 23 construction; is that right? That's right. 24

We talked a little bit about what a O.

transmitting power or motion? 4 A. Well, that's -- Woodway says that 5 6 that's the plain and ordinary meaning, but that's what's reflected in this page. 7 Q. Do you disagree that that's the plain 8 9 and ordinary meaning of shaft to a person of ordinary skill in the art? 10 A. Well, I think it's a lot more explicit 11 than it needs to be. For example, a rotating 12 element is general; and the plain and ordinary 13 meaning here includes element, which is -- could 14 15 be anything to be more specific, even though it's already included everything. 16 So I don't know that this necessarily 17 is the plain and ordinary meaning because it's 18

very general and then also very specific at the

same time. But I think the ideas of the two are

LifeCORE's is more of what a POSA would consider

MS. JELENCHICK: '884.

And that construction is different

than the plain and ordinary meaning, such as

that transmits power motion or is capable of

Yes, that's what I did.

23 as the plain and ordinary meaning. Q. How does that change your opinion if 24 the Court in the Southern District of New York 25

pretty similar that -- that I would say the

23

24

25

3

19

20

21

22

A.

Q.

Page 79

Page 77

- person of ordinary skill in the art may consider
- 2 to be the plain and ordinary meaning of, for
- 3 example, shaft. You define a person of ordinary
- 4 skill in the art in -- in your declaration.
 - A. Correct.

5

6

- Q. Where did that definition come from?
- A. My experience, mostly, and my
- 8 knowledge of the sorts of components that go
- 9 together to make a treadmill.
- Q. When you reviewed your opening expert report in the Chapco/Samsara litigation, did you
- have occasion to review your proffered definition
- of a person of ordinary skill in the art?
- 14 A. Yes. Yes.
- Q. What do you recall the proposed
- 16 definition of a person of ordinary skill in the
- art was for the purposes of the Chapco/Samsara
- 18 litigation?
- A. Yeah. I don't have a great memory of
- 20 it; but it was very similar to this, where someone
- 21 with a technical background in engineering or
- similar and like a year of experience with the
- 23 types of components that go into a treadmill, as
- 24 well as experience with anthropometry or like
- 25 human movement.

- 1 Q. So you had a single discussion with
 - 2 Mr. Turner or members of -- of his office on who
 - 3 constitutes a person of ordinary skill in the art
 - 4 or more than one discussion?
 - A. It could have been more than one
 - 6 discussion. I don't recall the specifics exactly.
 - 7 I know that we did have a discussion. I know that
 - 8 I said it was important for me to be consistent
 - 9 with my previous opinions. And I believe I gave
 - 10 them, you know, my recollection, which is similar
 - 11 to what I told you today; you know, basically a
 - 12 technical degree or equivalent, with some work
 - 13 experience and experience with
 - 14 biomechanics/anthropometry.
 - Q. Who was involved in any of the
 - 16 discussions you had with Mr. Turner and his
 - 17 colleagues about who constitutes the relevant
 - 18 person of ordinary skill in the art?
 - A. So Mr. Turner and then -- and Kyle --
 - 20 I can't remember his last name off the top of my
 - 21 head.
 - Q. Do you recall anybody else involved in
 - 23 those discussions?
 - A. I don't recall if Rebecca was still
 - 25 involved at that point.

Page 78

Page 80

- Something along those lines. That's
 the high level of what I remember from -- from
 skimming that.
- 4 Q. The proffered definition of a person
- 5 of ordinary skill in the art in the Chapco and
- Samsara litigation is not just very similar to thedefinition that you offer in paragraph 48 of your
- 8 declaration, it's the same definition, right?
- A. I don't know if it's the same; but it
- 10 would make sense that I would come to the same
- conclusion where it's mechanical engineering,
- biomechanics, and then some experience putting
- those parts together. So that's -- you know, I
- would not waiver from that sort of a definition.
- Q. Did you copy that definition from your
- prior work on the Chapco/Samsara litigation?
 - A. Not that I recall.
- Q. Did Mr. Turner or any of his
- 19 colleagues contribute to the definition of a
- 20 person of ordinary skill in the art in this
- 21 engagement?
- A. Yes. I believe that this is a -- like
- a collaborative work. And so that there was -- we
- 24 definitely had a discussion leading up to -- to
- **25** this.

17

- 1 Q. Was Mr. Jones involved in those
- 2 discussions?
- A. I don't believe so.
- 4 Q. You identified that it was important
- for you to be consistent with your previous
- 6 opinions. Did that importance compel you to adopt
- 7 the identical claim -- identical proposed
- 8 definition for a person of ordinary skill in the
- 9 art in this case?
- 10 A. Yeah. I don't know if it's identical,
- but it is the same subject matter. And so the
- 12 person of ordinary skill in the art should be the
- same hypothetical person. So because it's the
- same hypothetical person working on the same art
- as before, that they should be -- that my
- interpretation of that person should be the same
- or similar to what I previously opined.
- Q. The '884 patent wasn't at issue in the
- 19 Chapco/Samsara litigation, was it?
 - A. Not that I remember.
- Q. Well, will you agree with me that the
- claims of the '884 patent are different in scope
- 23 than the claims of the patents that were at issue
- 24 in the Chapco/Samsara litigation?
 - A. That would be awkward if the same

20

Woodway USA, Inc. Page 81 Page 83 claims appeared in multiple patents. So I would recall that testimony? -- I'm inclined to agree with you on that. 2 A. Yeah. I wasn't sure -- I recall 2 Q. Well, I mean, you offered opinions on 3 saying that I wasn't sure if it involved the 3 4 the claim scope of the '580 patent, for example, 4 treadmill or not. right? Q. The particular treadmill you're 5 5 thinking of, if you're thinking of one, was that A. Right. 6 6 motorized or nonmotorized? And you recall the '580 patent was 7 7 Q. part of the Chapco/Samsara litigation, correct? A. I think it was a very simple 8 8 nonmotorized one, but I don't -- I don't have a A. I do. 9 9 Q. In your view, are the -- are the clear recollection of it. 10 10 claims of the '884 patent different in scope than Q. Do you recall when that design work 11 11 the claims of the '580 patent? 12 12 occurred? A. I think they're very similar. And the A. I don't. 13 13 person who is a person of ordinary skill in the Do you think it was before March of 14 14 Q. art in the '580 patent was -- is the same 2009? 15 15 hypothetical person in the '884. So because of A. No. No. 16 16 that, the -- my description of them should be the Q. So any design work on the nonmotorized 17 17 same as well. treadmill was sometime after March of 2009? 18 18 Q. Are your grounds for challenging the A. Yeah. And it would have been safety 19 19 claims of the '884 patent the same as the grounds related, most likely. 20 20 for challenging the '580 patent claims? And why do you say that? 21 21 I don't believe the grounds are the Most of my work as a consultant is in 22 22 same. There are different -- different the safety space or assessing something that's 23 23 combinations used in the different declarations broken already. Most of the work is not 24 24 25 that I have. design-related. It would be assisting someone --Page 82 Page 84 O. And there are different combinations assisting someone with their design or addressing 1 that are used because the claim scope is safety issues that exist or figuring out where 2 2 different, right? safety issues might exist. That's the predominant 3 3 A. The claims are slightly different, so umbrella that I work in. 4 4 ves. There's differences in the declaration. This particular nonmotorized 5 5 THE WITNESS: We've been going for 6 6 treadmill, was it flat -- or did it have a flat like an hour and 25. Is it a good time to take 7 running surface? 7 a five-minute break? A. I think so. I think so. 8 8

9 MS. JELENCHICK: Sure. Of course. THE WITNESS: Thanks. 10 11 (Lunch break.) - 000 -12

> AFTERNOON SESSION - o0o -

BY MS. JELENCHICK: 15

Q. Over the lunch break, did you have an 16 opportunity to discuss the substance of your 17 testimony with counsel? 18

A. The opportunity was there, but it 19 20 wasn't taken.

Q. Before the lunch break, this morning 21 22 you identified at some point in the past you had 23 done some design work for a fitness equipment company and you thought you had been involved in 24

the design of a particular treadmill. Do you 25

9 Q. Do you recall whether you were addressing any particular safety considerations 10

with this nonmotorized flat treadmill? 11

A. Yeah. I don't recall the specifics 12

of -- of it very clearly. 13

Q. Is this product something that ever 14 made it to market? 15

A. I have no idea. 16

Going back to paragraph 48 of your 17 declaration that has your proposed definition of a 18 person of ordinary skill in the art, you indicate 19 that your POSA would have at least one year of 20 machine design experience related to power 21

transmission equipment, among other things. 22 23

What kind of experience is considered relevant experience with power transmission equipment for the purposes of your definition?

13

14

24

Page 88

Page 85

- 1 A. Sure. So power transmission equipment
- is the universe of simple mechanical elements that 2
- either cause something to move or facilitate 3
- 4 moving. Basically, the -- it's covered in the
- Power Transmission Handbook, simple machine 5
- elements like bearings, rotors, discs, gears, 6
- shafts, things -- things of that nature. 7
- Basically, this POSA needs to have experience 8
- using those things to build equipment or repair
- that equipment, so that's what I would consider 10 11 their experience.
- Q. In your view, the POSA need not have 12 specific experience with treadmills? 13
- A. No. But they need to have an 14
- understanding of biomechanics and anthropometry so 15
- that they have a sense of human motion as it 16
- relates to a treadmill, which is basically a 17
- 18 conveyor.
- Q. Why do you say a treadmill is 19
- 20 basically a conveyor?
- A. Well, they use many of the same 21
- components and they're arranged in similar ways. 22
- So the only difference is that a conveyor, the 23
- object of the belt is to move objects. And in the 24
- 25 treadmill, the object of the moving conveyor is to

- points and nip points, basically in-running shear
- points. You wouldn't want to have any body parts
- trapped or injured by the components of a 3
- 4 treadmill or a conveyor belt. Most conveyor belts
- aren't intended for humans to stand on, so the 5
- human stability would not be a crossover. But 6
- 7 certainly, the safety aspect and electrical safety
- would definitely crossover. 8
- Q. Are there any safety considerations 9 with respect to a conveyor if the conveyor has 10
- 11 unexpected movement?
- A. Certainly, during servicing it, yeah. 12
- So conveyors have E-stops, and they're one of the 13
- few mechanical devices that are allowed to run 14
- during servicing because of belt alignment. 15
- Q. During normal operation of a conveyor, 16
- is there any threat or risk of unexpected movement 17
- 18 of the belt?
- A. I'm sure there could be, depending on 19
- what sort of conveyor it is and the location that 20
- it's in and the -- and its purpose in that 21
- 22 location.
- 23 Q. Does a conveyor require unilateral or
- uni -- withdrawn. 24
 - Does a conveyor require unidirectional

Page 86

25

movement of the belt? 1

- A. In what context? 2 Q. In any context. Are there standards 3
- 4 for conveyors that require a belt to be
- 5 unidirectional?
- 6 A. I'm not aware of any conveyor
- 7 standards that state that.
- 8
- Q. As part of your proposed definition of
- 9 a POSA, you also identify that that hypothetical
- individual must have a demonstrated understanding 10
- of exercise biomechanics, including anthropometry; 11
- i.e., the study of human proportion. 12 13

What constitutes a demonstrated

understanding of the biomechanics of exercise? 14

- A. Sure. It's just someone that has some 15
- sort of outward -- outward, I would say, like a 16
- certificate or some sort of training or some sort 17
- of experience that's concrete, where they can say 18
- this is the motion of the human body while it 19
- walks or runs, and can apply that to the treadmill 20
- apparatus.
- 21
- Q. What type of certificate would be 22
- 23 relevant to -- to demonstrate understanding of the
- biomechanics of exercise? 24
 - A. Well, maybe there's like a -- maybe an

keep the person in the same place. 1

- So even though the relative motion 2
- might be a little bit different, the construction 3
- of them is, by and large, the same. You know, the 4
- controls notwithstanding, but the mechanical 5
- elements are, by and large, the same. 6
- 7 Q. In your view, do you believe the mechanical elements are, by and large, the same if 8
- 9 the running surface is curved?
- Yes. 10 A.
- O. Why is that? 11
- 12 A. Well, they still use belts; they can
- still use treads if they want to; they still use 13
- bearings and a frame and pulleys. And those are 14
- all things that are found in conveyors. 15
- And conveyors can curve. They might 16 curve -- instead of out of the plane of the 17
- conveyor, they might curve within the plane. But 18
- certainly there are conveyors out there that are 19 not simply plain or either. 20
- Q. Do treadmills and conveyors have 21 overlapping safety concerns? 22
- 23 A. Yes.
- Tell me about those. Q. 24
- Mostly, the overlap would be in pinch 25

Page 89

- associate's degree or some sort of like physical
- therapy certificate or some sort of like maybe a 2
- trainer type of certificate. 3
- 4 Q. Like a personal trainer?
- Yeah, like a physical trainer. 5 A.
- Do you have any such certificates? O. 6
- 7 Just my Ph.D. A.
- What's your Ph.D. in? 8 Q.
- Mechanical engineering. 9
- Does your Ph.D. in mechanical Q. 10
- engineering relate to exercise biomechanics? 11
- A. Yeah. So my dissertation was all 12
- about human force generation with the lower limbs. 13
- And so a large part of that dissertation was spent 14
- reviewing human stability and how humans walk. 15
- And my master's dissertation was about 16
- prosthetic knees. And so a fair amount of 17 research went into how humans walk in -- in an 18
- effort to figure out the loading within the 19
- 20 artificial knee joint.

21

- Q. Are any of the claims of the '884
- patent that are being challenged in this IPR 22
- proceeding include limitations that implicate the 23
- biomechanics of exercise? 24
- 25 A. Without reading them right now, I

- limitations that are directed to exercise
- 2 biomechanics?
- 3 A. Again, only as far as that this is a
- 4 treadmill with a curved surface. And that implies
- that this is for exercise or rehabilitation and 5
- that the biomechanics aspect is that part of the 6
- 7 specification and the motivation for -- for the
- invention. 8
- Q. You identify, in your proposed 9
- definition for a POSA, that the study of human 10
- 11 proportion is -- is somehow relevant. Can you
- explain that to me? 12
- A. Sure. A number of the treadmills, if 13
- you're trying to make something comfortable for
- the runner, either you want to give the running 15
- surface some sort of property or you want to make 16
- it a specific shape for the person on the 17
- 18 treadmill.
- And so knowing, say, what the average foot-to-hip 19
- distance is or how the population that you're 20
- intending to design this for, what sort of body 21
- proportions they have, would play a role into 22
- designing this and coming up with the optimal 23
- curve for -- for a treadmill or the optimal shape. 24
 - Q. Do any of the claims across the three

Page 90

25

8

Page 92

- don't recall a specific mention of that; but I
- know that in the rest of the patent, that there
- are a number of things that are stated as far as 3
- the curved surface makes things easier for a 4
- runner, things of that nature. And so from that 5
- perspective, that's where the biomechanics would 6 7
- come in.
- You understand that it's the claims of 8
- 9 the patent that define the scope of the invention,
- right? 10
- A. Right. The invention is actually the 11
- claim. The claim sets the boundary for what is 12
- covered by the patent. 13
- Q. So a specification may say something 14
- about biomechanics or exercise more generally; but 15
- that's not a limitation that's imported into the 16 claim, is it? 17
- A. Well, it's certainly motivation for 18
- the development of the claim. But as far as I 19
- know, the claims -- the claims set -- set the 20
- fence around the invention, not the specification. 21
- Q. For the other two patents that are 22
- 23 implicated by the IPR proceedings, are you aware
- of any claim limitations in either the '580 patent 24
- or the '745 patent that incorporate claim 25

- Woodway patents relate to the size or shape of
- humans? 2 MR. TURNER: Objection. Form.
- 3 A. No. The claims -- I don't recall that 4
- the claims do. The claims, I believe, say that,
- you know, one end has to be higher than the 6 7
 - middle.
 - But again, the specification describes
- 9 the curvature and gives a radius of curvature
- that -- that the patent author suggests. 10
- O. Do any of the claims that you're 11
- challenging in your opinions identify specific 12 radiuses -- radii of curvature associated with the 13
- running surface? 14
- A. I don't believe that that's something 15
- that we made a point of. 16
- Q. Are you familiar or acquainted with 17
- any of the named inventors on the Woodway patents 18
- that you've offered opinions on in this 19
- engagement? 20
- A. I don't believe I've -- I have any 21
- knowledge of them personally. 22
- 23 Q. Does the fact that your proposed
- definition of a POSA excludes certain of the named 24
- inventors impact your opinion in any way? 25

Page 95

1 A. No, I don't think so. 1 Do you know why your declaration Why not? doesn't address the effective filing date? 2 2 A. Well, if someone is clever enough to 3 A. Well, I know that that's what 3 4 invent something, they are likely above the 4 Mr. Turner provided me; and, you know, in the next ordinary skill in the art. But, you know, this is sentence, I say that -- basically gave it an extra 5 the bachelor's inexperience and -- and equivalent. year. So, you know, if March 16th, 2010 is the 6 So, you know, maybe someone has, you know, ten 7 priority date, there is another year of buffer in 7 years working as a mechanic and as an avid runner, there that I used as the time zero, if you will, 8 8 or they've been involved in the sports industry 9 9 for this. for a number of years. But, you know, that would Q. Was it your idea to use that one-year 10 10 be something that could be considered equivalent, 11 buffer or somebody else's? 11 where they have some technical background and they A. I don't believe that it was my idea. 12 12 have some background in exercise and -- something Did Mr. Turner tell you to use that 13 13 like that. one-year buffer? 14 14 15 Q. Your proposed definition of a POSA 15 A. Most likely. identifies that this hypothetical person would Did you have any discussions with 16 16 have not just a bachelor's degree in mechanical Mr. Jones about the relevant priority date --17 17 engineering, but they would also have this design A. 18 18 experience, correct? -- for these Woodway patents? Q. 19 19 20 A. That's right. 20 A. No. In your definition of a POSA, you are Q. Have you read the file history for the 21 21 focused on the relevant field as of March of 2009. '884 patent? 22 22 Why is that the case? A. You mean like the back-and-forth 23 23 A. I believe that that is the priority between the examiner and -- and the authors of 24 24 date of the patent, so this is the state of the that? 25 25 Page 94 Page 96 knowledge of the POSA at that time. 1 O. Yes. 1 Q. Did you do any analysis of what 2 A. I don't recall doing that. 2 constitutes the relevant priority date for the Q. At any point in time, you don't recall 3 3 '884 patent? reviewing the back-and-forth between the 4 4 A. I don't recall doing that. Patent Office and -- and Woodway's representatives 5 5 relating to the '884 patent? 6 Q. Did you do any analysis of the 6 relevant priority date for either the '580 patent 7 A. I might have. I don't recall reading 7 or the '745 patent? that specifically as part of authoring this 8 8 9 A. I don't recall doing that in this 9 declaration. matter. 10 Q. When you were doing your prior art 10 searching on the Patent Office website looking for O. Have you ever been involved in 11 11 evaluating a particular patent's priority date? the '884 patent, did you also look for a copy of 12 12 A. I -- I don't think so. the '884 file history? 13 13 Q. Who specifically told you what to use A. I don't think I did. 14 14 15 as the relevant priority date for this engagement? Q. How about with respect to the other 15 A. I believe Mr. Turner did. two Woodway patents, the '580 or the '745 patent? 16 16 Okay. Did he offer any explanation as For the purposes of your declarations, at any 17 17 to why the -- the date was what it was? point in time did you review those file histories? 18 18 A. I believe he did. I don't recall what A. Not as I sit here, I don't recall 19 19 he said about it. reading those file histories. 20 20 Q. In paragraph 47 of your declaration, Q. In offering opinions regarding the 21 21 the second sentence states: For reasons not claims of the '884 patent, do you think it would 22 22 23 addressed in this declaration or the petition, it 23 have been important to understand how the examiner understood the claim language? accompanies the effective filing date of certain 24 24

25

claims of the '884 patent is March 16 of 2010.

25

A. I just used the plain meaning of the

3

4

11

13

21

22

23

24

25

13

Patent No. 10,561,884 ROBERT GIACHETTI, Ph.D., P.E. January 9, 2024 Page 97 Page 99 terms outside of the three that were construed. long they had with it. Q. You don't know in any of the Woodway And, you know, if there is some sort of order that 2 has other language that must be imposed on the patents how long the examiner may have spent with 3 analysis, then I would certainly consider that. 4 the prior art, do you? 5

18

9

10

15

16

17

23

25

Page 98

But as far as what the examiner did or 5 didn't say for the language, that's not as 6

relevant to me as something that I'm forced to 7 8 consider.

Q. Is it relevant or would it --9 withdrawn. 10

Is it relevant how the examiner 12 interpreted the scope of the prior art in evaluating whether to issue claims for the '884 patent? 14

15 A. I don't think that that really impacted or would impact my analysis. I don't 16 want to say that an examiner is -- is wrong or 17 that they don't know what they're talking about, 18 so I would be concerned about saying something 19 20 like that.

But as far as their analysis, I know that they have limited amounts of time and I have the opportunity to dig deeper into these prior art references than they do. So it's probably something that is nice to have a flavor for, but

A. I have no idea.

So it's fair to say you don't know how 6 7 much time they spent relative to the amount of time that you spent on this engagement, right? 8

9 That's right.

If you had to estimate how much time 10 you have spent thus far in developing and 11 memorializing your opinions in your three 12 declarations, are you able to provide me an 13 estimate? 14 15

A. Probably -- yes, I think I could give you an estimate, a ballpark estimate.

16 What's the ballpark? 17

It would be in -- measured in weeks.

How many weeks? Q. 19

Somewhere between three and six, I 20 A. 21 would say.

Are you able to delineate the time 22 23 spent on one patent relative to the others?

No, I don't think I can. 24

25 Q. Why is that?

not necessary to my analysis. 1 Q. With your declarations, aren't you 2 saying that the examiner was wrong? 3

MR. TURNER: Objection. Form. 4

Well, I might be saying that they 5 6 missed some things in their analysis. But I think as a -- taken as a whole, I don't agree with the 7

examiner. 8 9 Q. And in your view, the examiner may

have missed some things because they don't have 10 sufficient time to evaluate the scope of the prior 11 art? 12

A. I think that's a possibility.

O. What are the other possibilities? 14

A. I'm not sure. I'm not sure what the 15 background of the examiner is who reviewed this. 16

Q. Do you know who the examiner is that 17 reviewed this patent? 18

A. I do not. 19

Do you know how the particular 20

examiner and/or their supervisors, how much time 21

they may have spent during prosecution? 22

23 A. I don't. I have a sense that patent examiners only get a couple of days to go over 24

these things, but I don't know in the '884 how 25

A. First, it was about a year ago. And 1

these were -- the review of the prior art was all 2

done together, so I can't untangle that. But the 3 declarations themselves were written independently 4

of one another. 5

6 Q. How much time did you spend drafting 7 the declaration for the '884 proceeding?

A. I could only estimate. 8

Q. What's your estimation?

Something on the order of a week.

How about with respect to the '580 11

proceeding, approximately how much time did you 12

spend on that declaration? 13 14

Same answer.

How about for the '745 patent, how long did you spend on that declaration?

Same answer.

Do you recall when you first started 18

drafting any of the declarations? 19 Sometime last year. 20

You have no more specificity than 21

sometime last year? 22

A. Well, before my signature went on it,

but sometime in Q1. 24

Were you working on each declaration

Page 100

8

10

15

Page 103

Page 104

Page 101

- 1 in parallel or serially or something else?
- A. It was a little bit of a mix between
- 3 those as far as the analysis and the prior art
- 4 review and the engineering analysis that went into
- 5 it. The authorship of the declarations was mostly6 serialized.
- 7 Q. Which declaration did you do first?
- 8 A. I don't remember.
- 9 Q. Approximately how much time did you
- spend looking for prior art?
- 11 A. I probably spent a couple of weeks
- searching and reviewing.
- Q. Your search for prior art, that wasn't
- a full-time engagement, was it?
- A. I have a number of responsibilities at
- Fusion, so I have to fit everything together in my
- 17 full-time job.
- Q. What percentage currently is your work
- 19 directed to consulting work?
- A. All my -- well, my work with standards
- and the standard bodies, that's all volunteer.
- 22 Outside of that, my work at Fusion is all
- 23 consulting work.
- Q. I thought you said earlier this
- morning that you had a variety of responsibilities

- 1 you referenced relative to the prior art, that
- 2 encapsulated not just the searching, but your
- 3 substantive review of the material as well; is
- 4 that right?
 - A. Yes. And then as I'm writing the
- 6 declaration, I'm also going back and re-reviewing
- 7 that prior art at the same time.
 - Q. Did you review any of the legal
- 9 authorities that are cited in your declaration?
 - A. I did review them. I recall reading
- 11 KSR. I don't -- I could not tell you what it
- says, though, as I sit here.
- Q. Approximately how much time did you
- 14 spend reviewing KSR?
 - A. I probably spent a few hours doing
- **16** that.
- Q. Do you recall any other specific legal
- authorities that you reviewed in the preparation
- 19 of your declarations?
- A. Yeah, I don't -- I don't recall, as I
- 21 sit here, other ones that I -- that I reviewed at
- 22 that time, you know, a year ago.
- Q. Was there anything that you asked for
- 24 from Mr. Turner and his colleagues that wasn't
- 25 provided to you?

Page 102

- A. Not that I remember.
- Q. You provided a one-week estimation for
- 3 the declaration associated with each of the three
- 4 Woodway patents. Does that one week include the
- 5 prior art searching and analysis, or is that work
- 6 in addition to the one week?
 - A. That's in addition.
- 8 Q. Do you recall doing prior art
- 9 searching in the Chapco/Samsara litigation?
 - A. Yes.
- O. How does the prior art searching in
- 12 this engagement differ from the prior art
- searching you did in the Chapco/Samsara
- 14 litigation, if at all?
- A. I would say my process is fairly
- similar; coming up with search terms, going to
- 17 specific sites. I would say in this -- in this
- 18 matter, there was a little more emphasis placed on
- making sure that there was like traceability. So
- 20 I know like if I found something, for example, on
- 21 one-way clutches, making sure that that
- publication could be traced to being before the
- 23 priority date. So other than that, it was -- it
- 24 was fairly similar.
- 25 O. How was your pi
 - Q. How was your prior art searching --

rage 102

1

2

7

10

1 at Fusion including not just consulting, but

- 2 marketing, recruiting, and other administrative
- 3 responsibilities.
- A. Oh, that's true. I consider that part
- 5 of the consulting job. So if you're a consultant,
- 6 part of that means you have to have your name out
- 7 there; you have to work on technical papers,
- 8 things like that. So all that sort of thing goes
- 9 hand in hand with the consulting business.
- Q. So for the couple of weeks that you were doing prior art searching, was that the only
- 12 thing that was taking your time during your
- employment at Fusion?
- A. No. I have a number of things going
- 15 at once at all times.
- Q. How much time did you spend reviewing the prior art you uncovered?
- A. I probably spent the same amount of
- time during the searches. So as I search, I'm reviewing it; search/review, search/review. It
- 21 flips back and forth. So it's not like I have a
- 22 stack that I establish and then review it. It's
- more of an organic development of the searching and reviewing.
 - Q. Okay. The couple of weeks, then, that

Page 105

1 withdraw that.

2 Traceability analysis that you just --

3 the traceability analysis that you just

- 4 referenced, was that your idea or somebody else's?
 - A. I believe that Mr. Turner indicated to
- 6 me that that was something that was important for
- 7 this.

5

- 8 Q. Did he tell you why it was important?
- 9 A. I don't recall.
- 10 Q. Did you keep a written log of the
- 11 searching that you conducted?
- 12 A. No.
- Q. Did Mr. Jones help in any way with
- 14 prior art searching?
- 15 A. No.
- Q. Did you brainstorm with Mr. Turner or
- 17 his colleagues on strategies for prior art
- 18 searching?
- 19 A. Yeah. I wouldn't call it
- 20 brainstorming.
- Q. What would you call it?
- A. I -- in a discussion, I described what
- 23 sort of search terms I was looking for. And I
- 24 believe that -- that they might have indicated
- 25 some of the search terms they used. I don't have

- 1 remembered the ancient hamster-wheel style ones,
- and I remembered the modern hamster style one. So
- 3 I think I started there in addition to, you know,
- 4 looking at -- because I remember -- I believe they
- 5 gave me the '884, so I started looking at that as
- 6 well because I know that has a list of the cited
- 7 art in it.

10

23

10

8 So I was -- used all of those things

- **9** as a starting point.
 - Q. In your prior art searching, did you
- 11 uncover the Sclater reference?
- A. So that was a book that I had
- available to me while I was at University of
- 14 Wisconsin. But that one was actually -- the
- actual book that we used here, I believe, was Mr.
- 16 Turner's book.
- Q. Was it your idea to take a look at the
- 18 Sclater book or somebody else's?
- A. I think Mr. Turner spoke pretty highly
- of it. So after that, then I took a look at it.
- Q. Do you know why Mr. Turner holds the
- 22 Sclater book in such high regard?
 - A. Well, it's basically an encyclopedia
- 24 of mechanical components that a POSA would use or
- be interested in; and it gives a nice CliffsNotes

Page 106

Page 108

- 1 a clear recollection of it, but I believe there
- 2 was a brief discussion about that.
- Q. Did you attempt to replicate the prior
- 4 art searching that you did in the Chapco/Samsara
- 5 litigation?
- 6 A. There certainly were a lot of
- 7 similarities, but I didn't attempt to duplicate
- 8 it.
- 9 Q. Why not? Particularly given that the
- 10 '580 patent was involved in that litigation, as
- 11 well as part of this proceeding.
- A. Well, I didn't recall my -- 100
- percent my strategy for searching for the prior
- 14 litigation. I also remembered some of the patents
- that were involved in that litigation, at least
- maybe their name or -- or what they were trying to do.
- And so I had kind of that starting
- 19 point already as to where I could start my search.
- 20 And so once I started the search, my approach was
- 21 probably very similar to what I did, you know,
- 22 eight years ago.
- Q. Which patents did you utilize to start
- your search?
 - A. I remembered the horse patent, and I

- version of the advantages and disadvantages of a
- 2 number of them.
- Q. You indicated that this was a text
- 4 that you had access to at the University of
- 5 Wisconsin; is that right?
- 6 A. Yeah, that's right.
- 7 Q. And you were at the University of
- 8 Wisconsin for your graduate work?
- **9** A. That's right.
 - Q. How, if at all, did you use the
- 11 Sclater text while at Wisconsin?
- A. Oh, it was available electronically.
- 13 And when I discovered that we had access to all
- 14 these electronic references, I remember going
- 15 through it.

Also, as a graduate student there, I

- 17 built all the equipment that I did testing on for
- 18 humans. So I was always interested in -- in
- 19 seeing the different mechanisms that are
- 20 available.
- Q. For the purposes of your declarations,
- 22 it appears, based on the photographs, that you

used a physical text for Sclater, right?

- 24 A. Correct.
 - Q. Approximately how many pages is that

25

23

Page 109

1 text?

- A. I want to say 3- to 400 pages.
- Q. Remind me when you were at the
- 4 University of Wisconsin.
- 5 A. 2000 to 2008.
- 6 Q. During your work in the Chapco and
- 7 Samsara litigation, you didn't rely on the Sclater
- 8 reference in any way for your opinions in that
- 9 case, did you?
- 10 A. I didn't.
- 11 Q. Why not?
- A. I felt like the power transmission
- handbook had a succinct description of the basic
- 14 mechanical components that were in those patents,
- and so I felt like that was enough at the time.
- Q. And for the purposes of this
- 17 engagement, you didn't feel like that particular
- 18 power transmission handbook reference was
- 19 sufficient?
- A. It was a bit shorter in its
- 21 descriptions of the different components, and
- 22 Sclater just had a better overview of the
- 23 mechanical components that were important to the
- 24 '884.
- Q. In your view, what are the mechanical

- 1 Q. What, if anything, does Sclater offer
- 2 about these particular mechanical components other
- 3 than an identification that they exist?
- 4 A. So it provides a broad breadth of
- 5 examples and in mechanisms that have been
- 6 established, and it provides a little bit of
- 7 information about advantages and disadvantages for
- 8 each of the different versions.
- 9 And specifically in this matter, it
- shows a conveyor that uses a one-way bearing to
- 11 keep it from going the wrong direction and
- describes that a one-way bearing is good for that.
- 13 So that sort of example does not exist in the
- 14 Power Transmission Handbook.
 - Q. Can you direct me to where in Sclater it provides that disclosure?
- A. Sure.

15

16

18

20

21

9

- Is it -- is Sclater in those binders?
- 19 Oh, this one's backwards. That's why.
 - Yeah. Page 320.
 - Q. Where on page 320?
- A. So Figure 2 shows a conveyor belt, and
- 23 it shows a clutch; and it describes it as fixed to
- 24 the stationary frame. And underneath that, in the
 - 5 caption, it says: Backstopping permits rotation

Page 110

Page 112

- 1 components -- in your view, what are the
- 2 mechanical components that were important in the
- 3 '884 patent?
- 4 A. So there's bearings, pulleys, shafts,
- 5 belts. And specifically, in the '884, there's
- 6 clutches and one-way bearings and the differences
- 7 between them. And while the Power Transmission
- 8 Handbook talks about them briefly and gives a very
- 9 brief overview of the subject, the Sclater
- 10 reference actually provides a lot more examples
- 11 that a POSA would have been familiar with.
- Q. In your view and in light of your
- proposed definition of a POSA, would such a
- 14 hypothetical person be aware of those identified
- mechanical components without consulting the text?
- A. Yes. And if -- if they weren't, then
- 17 they would be able to find them via commercially
- 18 available means. Because the POSA knows what
- 19 they're trying to do and would know what to look
- 20 for.
- Q. So whether the POSA consulted the
- 22 Sclater text or not, in your view, your proffered
- 23 POSA is aware of bearings, pulleys, shafts, belts,
- 24 clutches, and one-way bearings?
- 25 A. Correct.

- in one direction only. The clutch serves as a
- 2 counter-rotation holding device. An example is a
- 3 clutch mounted on the headshaft of a conveyor.
- 4 The outer race is restrained by torque-arming the
- 5 stationary frame of the conveyor. If, for any
- 6 reason, power to the conveyor is interrupted, the
- 7 back-stopping clutch will prevent the buckets from
- 8 running backwards and dumping their load.
 - And then in the paragraph above the
- 10 figure, it talks about overrunning sprag clutches
- and says, essentially, that the pictures below areapplications for -- for those things.
- applications for -- for those unligs.Q. Were any of those applications for use
- in fitness equipment?
- A. Well, I would say that a conveyor is the same as a treadmill. In that sense, yes, but not explicitly here.
- Q. Identify for me the differences
- 19 between nonmotorized curved running surface
- 20 treadmill with the type of conveyor identified in
- 21 Figure 2, if there are any.
- A. So the conveyor in Figure 2 here has a slope which is not a curved running surface. And
- 24 it has a motor driving it in one direction. And
- 25 the lateral slats are buckets instead of flat --

8

9

10

11

12

13

14

24

25

7

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Page 113

flat slats, I should say.

I think those are the most obvious 2 differences between the depiction in Figure 2 and 3 4 a treadmill.

Q. Identify for me the purported 5 similarities between the conveyor in Figure 2 and a nonmotorized treadmill with a curved running surface.

Can you repeat that? A.

Q. Sure. 10

7

8

9

11

12

13

14

22

23

6

7

13

Identify for me the purported similarities between the conveyor in Figure 2 and a nonmotorized treadmill with a curved running surface.

15 A. So the similarities are that it has a frame. It's going to have pulleys at the head and 16 tail. There is going to be a belt that wraps 17 around them that's endless, and there is going to 18 be a transverse element that is used for carrying 19 20 loads between the left side and the right side. 21

And as I sit here, I think those are the major similarities it's going to have with the treadmill.

This conveyor in Figure 2 doesn't 24 identify any safety concerns, does it? 25

1 But you could put curves in here, and I think that the load that it's moving would still 2 make it from the bottom to the top, you know, 3

4 using that arrow as an indicator of the direction of travel. 5 6

Are you suggesting that the surface of this conveyor is curved because the belt wraps around the front and the rear pulleys?

A. Well, for the conveyor that doesn't have a running surface, yes. I think that this would constitute a curve at the -- at the very top because that is a functional piece of the load-transferring nature of the conveyor where it takes whatever it's carrying up and then over.

That's not the case in a treadmill where you wouldn't want a person to run on the front of the -- of the -- or in front of the front pulley or to the rear of the rear pulley.

curved portions of the belt, but it is not the same type of curved surface that is claimed in any of the Woodway patents, is it?

MR. TURNER: Objection. Form.

A. I don't believe so. Because the claims in those talk about an end that is higher

Page 114

than the middle, and I don't know that this Figure 2 2 depicts that.

But in terms of a conveyor system that 3 has a functional requirement of only moving one 4 direction, this is very explicit about how that 5 6 would be done.

Q. So we're looking at page 320 of what you said may be a text of at least 400 pages. How would a person of ordinary skill in the art know to go to this particular disclosure in evaluating whether the use of a clutch may be useful in the design of a curved nonmotorized treadmill?

A. Sure. So in this book, it's not just a random sampling of mechanisms. They're arranged. And in this section starting on around page 300, it's the chapter on clutches and brakes. And there's lots of prior art talking about safety and things like that.

And so starting at page 300, the POSA could start reading this and -- and look at the different options for limiting the motion of the treadmill. And then after a couple of pages of pictures -- where, I think, two pages before, it describes sprag-type clutches and their advantages, that this picture is here and the

A. No. But it has a functional concern 1 of going backwards. 2

Q. How does the introduction of a curve 3 into the surface of the belt impact, if at all, 4

the operation of this particular conveyor? 5

A. I'm sorry. Can you read that again?

Sure.

How does the introduction of a curve 8 9 into the surface of the belt impact, if at all, the operation of this particular conveyor in 10

Figure 2? 11

12

A. I'm not sure that it would.

Q. Why not?

Because the -- the belts are still 14 going to be running over the head and the tail 15 pulleys, and it's still going to be driven along 16 the path of the underlying frame of the -- of the 17 conveyor. 18

Q. The introduction of a curve into the 19 belt doesn't introduce any safety or functional 20 considerations? 21

A. Well, in this conveyor, it -- it does 22 23

have a curve at the top and the bottom already

because it doesn't require the loading to only 24 25

occur in between the head and the tail.

Page 115

15 16

17 18

Q. The conveyor in Figure 2 may have 19 20

21

Page 119

Page 120

3

8

9

10

11

12

15

16

21

22

Page 117

description that the sprag clutch is a good option 2 for that.

Q. But this more than 100 -- excuse me.

4 This text that contains, you know, upwards of 400 pages has a variety of different 5 mechanical components that could be relevant to 6

7 the design of a system.

> Where is the motivation to utilize this particular configuration to address safety considerations in fitness equipment?

A. Well, the safety consideration comes from other prior art talking about people being stable, people not falling off the end, issues

13 with low-friction surfaces being hazardous. 14

And so with that knowledge, you curve the treadmill to keep them from going off the end.

But then knowing that if you step on the end and 17 it goes the other way that people aren't 18

expecting, then there's a big opportunity for a 19

20 fall there.

> So if you want to eliminate that possibility, which is something that other pieces

of prior art have done by making the belt 23

unidirectional, you would go specifically looking 24 25 up clutches and brakes, which is what this chapter

and then we ended up with what's in the

2 declaration.

Q. What specifically were your ideas?

4 A. I don't remember very clearly at this

point because that was just a phone conversation 5

like a year ago. But I probably had some idea 6

7 about maybe Schmidt and probably Cutter and

Chickering and Magid. And that's probably where 8

the conversation started. 9

Q. If we look at your declaration for the 10 11 '884 patent, you don't offer any opinions where

Schmidt is used as a reference in any of the 12

grounds challenging the patentability of the 13

challenged claims of the '884 patent. Why is 14

that? 15

A. I recall that -- I think that Schmidt 16 had been used as a reference a number of times and 17

that as far as it being a compelling argument

might have been minimized by how often it had been 19

cited in the prior art had been in front of the

examiner. 21

20

22

23

24

25

2

3

11

17

18

19

20

21

22

23

24

25

So from that perspective, it seemed like it wasn't, perhaps, a strong contention to make with Schmidt as a primary rationale.

Q. Any other reasons why Schmidt was

Page 118

dropped? 1

A. I don't recall as I sit here.

Q. What were Mr. Turner's office

4 suggestions relevant to the prior art to use?

5 A. I don't recall specifically what was said in those conversations. I'm sure they had 6

7 some ideas about which prior art pieces were the

strongest, in their opinion. And then I 8

9 considered them and considered the ones that I 10

thought were strongest.

And I think that after that discussion and that analysis, that we came up with the

12 strongest grounds and presented those in the 13 declaration. 14 Q. In paragraph 120 of your declaration 15 16

in the '884 IPR proceeding, you state: For purposes of this declaration, I'm applying the following claim constructions for my analysis regarding unpatentability for Grounds 3 and 6.

There is no Ground 6 in your declaration. Should that refer to a different ground or is that a typo? Or what's your explanation for that sentence?

A. As I sit here, I don't recall. That must be a typo.

is. 1

And, you know, they talk about a 2

number of different things here. You have noisy 3

options, options in -- where, depending on the 4 speed, you may not catch right away. Then you 5

move to other options that only have a few types

7 of pieces that interfere. And then it says, hey,

look at these types of sprag clutches that have 8

9 many interfering elements which provide a lot of 10

force to hold something tightly and quickly.

And then you flip another few pages, 11 and it shows you a conveyor and gives you specific 12 instructions that this is how you put it together. 13

And it's all within a few pages. 14 THE WITNESS: Is it a good time for a 15 five-minute break? 16

MS. JELENCHICK: Sure.

(Recess had.) 18

BY MS. JELENCHICK: 19

> Q. Who decided which prior art you were going to rely on for the purposes of your opinions?

23 A. So that was a discussion that I had with Mr. Turner's office, and I had my ideas. I 24 believe they had suggestions that I considered, 25

17

20

21

Page 121

- 1 O. What's --
- A. Yeah, there is no Ground 6.
- O. In Ground 1, the basis for the
- 4 challenge is the combination of Schonenberger,
- 5 Socwell, Magid, and Sclater. Which of those
- 6 references were your idea in the first instance?
- 7 A. Well, I certainly was familiar with
- 8 Schonenberger and Socwell and Magid prior to this
- 9 IPR. I would say, you know, Mr. Turner had
- 10 Sclater. And once I reviewed that, I was on board
- 11 with it.
- I would say that these were -- you
- 13 know, this was reached as a collaboration. And I
- 14 couldn't say whose idea was what at this point in
- **15** time.
- Q. Is the same statement true for each of the grounds in all of your declarations?
- 18 A. I think, in general, yeah.
- Q. Where did your familiarity with
- 20 Schonenberger, Socwell, and Magid come from prior
- 21 to this IPR proceeding?
- A. So that was in the litigation from
- 23 seven, eight years ago.
- Q. The Schonenberger reference in this
- particular IPR, that is Exhibit 1010, I believe.

- a more descriptive encyclopedia of mechanisms as
- 2 opposed to the PT Handbook, which is more of a
- 3 CliffsNotes version of an overview of mechanical
- 4 components.
- 5 Q. A person of ordinary skill in the art
- 6 of the type that you're proposing is relevant here
- 7 would understand the disclosure in the PT Handbook
- 8 to be comparable to the disclosure of Sclater,
- 9 right?
- 10 A. Yes. It's just not as example heavy.
- 11 But as far as providing descriptive assessments of
- 12 different technologies that are preexisting, they
- both provide some similarities there.
- Q. The examiner considered the PT
- Handbook, right, in evaluating the claims of the '884 patent?
- A. I don't recall. I don't see it in the
- 18 list here, unless it's hiding. And I'm looking in
- 19 pages 3, 4, 5, and 6 of the '884 patent that's
- 20 Exhibit 1001.

21

23

10

- Q. Was the PT Handbook part of your
- opinion in the Chapco/Samsara case?
 - A. Yes. I used that as a basis.
- Q. So I'll direct you to what I think
- you're already looking at, the References Cited

Page 122

Page 124

- 1 A. Yes.
- Q. In your view, Exhibit 1010 is the same
- 3 or similar to the Schonenberger reference that you
- 4 utilized in the Chapco/Samsara litigation?
- 5 MR. TURNER: Objection. Form.
- 6 A. It certainly seemed familiar to me
- 7 when I read it this last year.
- 8 Q. Is there any other reason that
- **9** Schonenberger Exhibit 1010 would be familiar to
- **10** you?
- 11 A. Not that I can think of off the top of
- 12 my head.
- Q. The prior art that you use as the
- 14 bases for the grounds for challenge of the claims
- in the '884 patent was all before the patent
- 16 examiner -- patent examiner except for Sclater,
- 17 correct?

- A. I believe that's correct.
- Q. Is the only reason the Sclater
- 20 reference was added to the grounds for challenge
- 21 to address your desire to identify art that wasn't
- before the examiner?
- A. Yeah. I think that that is one aspect
- 24 of the Sclater reference. The second aspect that
- 25 we already discussed as far as it being, you know,

- section of the '884 patent which begins on page 1and extends through, I believe, page 7.
- 3 If you look at page 6 of Exhibit 1001,
- 4 about halfway down, it identifies: Declaration of
- 5 Robert Giachetti, Case 3:15-cv-01665-JCH, Document
- 6 88-1 filed May 1st, 2017, 20 pps, marked on its
- 7 face as Exhibit 1.
- 8 You're that Dr. Giachetti that's
- 9 identified there, right?
 - A. It looks like it.
- O. And is that part of the opinions that
- 12 you offered in the Giachetti and Samsara case, if
- 13 you know?
- A. I don't recall what I said about the
- one-way bearing in that matter other than it was a
- 16 common and commercially available machine element
- at the time. But I don't -- I don't remember
- 18 printing out the whole PT Handbook as part of that
- 19 report. I'm not sure if that is contained in that
- 20 declaration.
- Q. But in your view, the opinions that
- you offered in the Chapco and Samsara case
- 23 contemplated the PT Handbook being relevant in
- 24 some way to the patents that you are challenging,
- 25 right?

7

8

10

Page 127

Page 125

1 MR. TURNER: Objection to form.

- A. Well, the PT Handbook is an example of
- 3 the knowledge base of what a POSA would know or
- 4 understand as far as commercially available power
- 5 transmission elements. So I definitely relied on
- 6 it during that litigation to justify my positions
- 7 as far as what a POSA would or would not know.
- 8 O. Go down to the next reference. It
- 9 identifies Opening Expert Report of Dr. Robert
- 10 Giachetti Re: Invalidity of U.S. Pat No.
- 11 8,986,169 and U.S. Pat No. 9,039,580, Case
- 3:15-cv-01665-JCH, Document 216-1 filed April 5,
- 2018, 67 pages, marked on its face as Exhibit 1.
- Do you see that?
- 15 A. I see that.
- Q. Do you believe that's an additional
- 17 disclosure of your opinions from the Chapco and
- 18 Samsara case related to the validity challenge of
- 19 the patents at issue?
- A. It could be. I don't remember. I
- 21 mean, it just says expert report and opening
- 22 expert report. So I don't -- I don't recall what
- 23 those -- what the contents were.
- Q. Dr. Giachetti, I've handed you what's
- designated as Exhibits 2008 and 2009. Do you want

1 Do you see that?

- A. Yes.
 - Q. The same is true for Exhibit 2009,
- 4 right, if you look at that top header? It has a
- 5 case number and identifies a document ID of 88-2,
- 6 with a filing date of May 1st, 2017 --
 - A. Right.
 - Q. -- which also corresponds with the
- 9 declaration that's identified on page 6 in
 - references cited.

Were you aware that your previous expert opinions regarding your validity challenge were disclosed to the Patent Office in connection with the '884 patent?

with the '884 patent?
A. You know, since I read the patent, I
probably spotted that my reports were in here, as
I know that Dr. Blair's rebuttal is in here as

18 well.

19

20

21

1

6

Flipping through these, I didn't use the Power Transmission Handbook in these. It doesn't appear as though I used it as combination.

- 22 I just used it to say that POSA would understand
- 23 that they exist and use in this method as the same
- as if -- how they're expected to be used and to
 - give the results that they are intended to have.

Page 126

Page 128

1 to take a look at those?

2

8

- A. Okay. I think I -- I've flipped
- 3 through them. There is a lot of pages here, so...
- 4 Q. Do you recognize Exhibits 2008 and
- 5 2009 to be the opinions that you offered in the
- 6 Chapco/Samsara case regarding your validity
- 7 challenge to certain Woodway patents?
 - A. Yeah. So this one looks like
- 9 validity, and I'm not sure what the small one is
- 10 regarding. But they are -- they appear to be
- 11 reports that I authored.
- Q. Well, I'll direct you to the header at
- 13 the top of each of those exhibits. You can see
- 14 that there is a case caption number --
- 15 A. Okay.
- Q. -- as well as a document ID. So, for
- example, Exhibit 2008 identifies the case number
- and then Document 216-1.
- 19 A. Okay.
- Q. And a filing date of April 5th, 2018.
- 21 And then if you take a look at the references
- 22 cited that we were just looking at on page 6 of
- 23 Exhibit 1001, those designations match with the
- 24 Opening Expert Report of Dr. Robert Giachetti Re:
- 25 Invalidity, et cetera, et cetera.

- But I didn't use it specifically as a combination.
- 2 Q. Whether you used it as a combination
- 3 or not, that would be knowledge that a person of
- 4 ordinary skill in the art would have brought to
- 5 the table in his or her analysis, right?
 - A. Yes. A person of ordinary skill in
- 7 the art would have an understanding of those
- 8 mechanisms, that they exist and how they're used.
- 9 Q. Would you say Sclater is cumulative of the PT Handbook?
- 11 A. Can you tell me what you mean by 12 cumulative?
- Q. Have you heard that word before?
- A. I have, but I'm not putting it
- together with how the two references work.
- Q. What does the word cumulative mean to you?
- A. Adds up or compounds.
- Q. So is the content in the PT Handbook,
- adding that up, is that the same as the content of
- 21 Sclater?
 - A. I think the PT Handbook is a
- boiled-down essential version of Sclater. Sclater
- 24 is like an encyclopedia with tons of examples,
- 25 tons of pictures. And the PT Handbook is more of

6

8

Page 131

Page 132

Page 129

- an overview that someone with knowledge already
- 2 can flip through from time to time and use to
- 3 their advantage.

7

18

21

- 4 Sclater is more of, this is everything
- that's out there in the universe. It's much moreexplicit.
 - Q. Would your person of ordinary skill in the art recognize the Figure 2 exemplar of the
- the art recognize the Figure 2 exemplar of theconveyor as being disclosed in the PT Handbook as
- one potential use for a sprag?
- A. Well, I don't remember everything the
- 12 PT Handbook says about one-way bearings and
- one-way clutches. But it definitely has a
- 14 conveyor section in it that shows belts and
- 15 conveyors very similar to treadmills, and I know
- that it talks about one-way clutches being used to
- 17 keep things moving in one direction.
 - So those things are contained within
- the PT Handbook. But the PT Handbook doesn't makeexamples of assembling everything for you.
 - Q. The PT Handbook doesn't have pictures?
- A. It does have pictures of existing
- 23 equipment where it will show, here is a picture of
- a conveyor; here is a -- here is a picture of a
- bearing; here is a picture of a roller bearing;

- 1 A. So there were different claim
 - 2 constructions in that. There were -- the terms
 - 3 meant -- didn't necessarily mean the same thing,
 - 4 so I needed to have an analysis that was true to
 - what the constraints were.
 - And the constraints for this
 - 7 declaration were different than the constraints
 - for the -- the previous litigation.
 - 9 Q. How about with respect to your
 - opinions in the IPR proceeding involving the '580
 - 11 patent?
 - 12 Did you consider how your prior expert opinions in
 - 13 the Chapco and Samsara litigation regarding the
 - 14 '580 patent impacted the opinions that you're
 - offering regarding the '580 patent here?
 - A. So I did not read the opinions from
 - 17 that matter before writing this declaration. So I
 - 18 just -- when writing this declaration, I read the
 - prior art and did the analysis that's contained init. I didn't review the -- the other report.
 - Q. Do you know whether your past opinions regarding the '580 patent had any bearing on the
 - 23 decision to engage you for these IPR proceedings?
 - A. No. I don't know what the motivation
- 25 was to retain me, other than I have a lot of

Page 130

6

10

15

17

23

25

- 1 expertise in this area.
- Q. Did you ask Mr. Turner or any of his
- 3 colleagues whether your engagement in the Chapco
- 4 and Samsara litigation had any bearing on why they
- 5 were interested in hiring you in this case?
 - A. I think they said that's how they
- 7 found me. Beyond that, I don't -- I don't know
- 8 what motivated them to keep me, outside of my
- 9 expertise that I've already mentioned.
 - Q. You mentioned a Dr. Blair. Who is he?
- 11 A. Well, he formerly worked at Exponent
- while I was there. And he, I believe, worked for
- you on that last -- the last litigation.
- Q. In your view, Dr. Blair offered
 - opinions on behalf of Woodway, right?
- 16 A. Yes
 - Q. What do you think of Dr. Blair?
- 18 A. I-
- MR. TURNER: Objection.
- A. He is a nice guy that I had lunch with
- a couple of times, and he definitely thinks highly
- of his education at Purdue.
 - Q. Is that some Big Ten rivalry?
- A. Yeah, a little bit.
 - Q. Do you think Dr. Blair qualifies as

here is a picture of a plain bearing. Things like

2 that.

- Q. It just doesn't have the specific
- 4 illustration that you're relying on vis-à-vis
- 5 Figure 2 in Sclater?
- 6 A. So -- well, Sclater breaks it down
- 7 more. So the PT Handbook gives you a general
- 8 idea: Here are one-way clutches. They can be
- 9 used for these few things.
- Sclater, instead, says: Here is a
- picture of this and here is a picture of this.
- 12 And this one is specifically good for this, and
- this one is specifically good for this. And this
- one does this, and this one does this.
- And then it gives applications, which is, I think, something that the PT Handbook
- 17 definitely -- or doesn't necessarily show inside
- 18 of itself.
- Q. Did you consider how your prior expert opinions regarding the '580 patent impacted your opinions regarding the '884?
- A. Well, my opinions from the past
- 23 litigation -- is that what you're talking about,
- 24 the prior litigation?
- Q. [No audible response.]

20

23

25

10

17

18

20

23

Page 135

Page 133

- your proposed person of ordinary skill in the art?
- A. Yes. 2

5

- Q. Do you think Dr. Blair qualifies as a 3
- 4 person of extraordinary skill in the art?
 - A. I'm not sure what that -- that means,
- but he's a skilled engineer. 6
- Q. So in the nearly seven pages of 7
- references cited on the '884 patent, how did you 8
- decide which of those prior art references that 9
- were already before the examiner to rely on for 10
- the purposes of offering your opinions relating to 11 the '884 challenge? 12
- MR. TURNER: Objection, form. 13
- Objection, misstates prior testimony. 14
- A. Like I said, I went through a search. 15
- I went through a review of the prior art. I 16
- discussed that search with Mr. Turner and his 17
- colleagues and the prior art that we discussed and 18
- analyzed. 19
- The prior art that is selected for the 20
- grounds in my declarations we felt was the 21
- strongest to make our argument. 22
- O. A couple of the references that you 23
- are relying on for the purposes of the '884 patent 24
- have asterisks next to them. What does that mean? 25

- the prior art and then discussions with Mr. Turner
- and his colleagues. And from there, then the 2
- grounds were developed. 3
- 4 Q. On page 6 of your declaration,
- Exhibit 1003, under the heading Anticipation --5
 - A. Did you say page 6 or paragraph 6?
- 7 Q. Oh, I'm sorry. I meant to say page 16 8
 - of Exhibit 1003.
- Okay. 9
- Q. Paragraphs 33, 34, 35, and 36 relate 10
- to purported standards governing whether a 11
- particular patent claim is anticipated by the 12
- prior art. Do you see that? 13
- A. I see that. 14
- 15 Q. You're not offering any opinions that
- any of the challenged claims of the '884 patent 16
- are anticipated, are you? 17
- A. I believe all my grounds are 18
- combinations of prior art, so there is not a 19
 - single one that's just by itself.
- Q. That's true for the '580 patent, as 21
- well as the '745 patent, right? 22
 - A. I think so. I'll have to look at them
- just to make sure, but that's my recollection. 24
 - Q. Okay. Do you know why you included a

Page 134

Page 136

- A. I think that's something that the 1
- examiner looked at or commented on. 2
- Yeah, if you look at page 7, the 3
- asterisk means cited by the examiner. 4
- O. Was that fact that the examiner cited 5 the particular reference relevant, if at all, to 6
- you in offering your opinions? 7
- A. Can you say that again? 8
- 9 O. Yes.
- Was the fact that the examiner cited 10
- the particular reference relevant, if at all, to 11
- you in offering your opinions? 12
 - A. No.

13

- Q. Is that because you didn't review the 14
- filed history of the '884 patent in preparing your 15
- opinions, or for some other reason? 16
- A. So to clear up something from earlier, 17 again, I had a mistaken memory.
- Exhibit 1002 is the file history. So 19
- I did at least review it briefly while this --
- 20
- while coming up with my declaration. 21
- You know, as far as coming up with 22
- 23 what my analysis was, I didn't rely heavily on
- what -- or what the examiner did not. I looked at 24
- the prior art. I developed my opinions based on 25

- section on anticipation if you weren't offering
- opinions directed to anticipation? 2
- Yeah, I don't recall why -- why that's A. 3
- there. 4
- 5 When you say that your grounds for
- 6 challenge are combinations of prior art, is that
- 7 another way to say obviousness, you're making an
- obviousness challenge to the claims? Or does it 8
- 9 mean something else to you?
 - A. I think that that does constitute
- obviousness based on, you know, what I've written 11
- here in the declaration under Section E, you know, 12
- starting on page 17. 13
- Q. The Skowronski reference, which is 14
- Exhibit 1030 -- I don't actually know if I'm 15
- saying that correctly. S-K-O-W-R-O-N-S-K-I --16
 - A. Yeah.
 - Q. How do you say it?
- Skowronski? But I'm probably way off. 19 A.
 - Sorry, Mr. Skowronski.
- This reference only appears in your 21
- challenge to the '884 patent; is that correct? 22
 - A. I think so.
- In your view, what is significant 24
- about this particular reference as it relates to 25

4

5

Page 139

Page 137

- your patentability analysis of the '884 patent?
- A. This is basically a reference that 2
- shows that the -- I don't know, the pulleys or the 3
- 4 shafts can be made out of plastic. Yeah, the
- 5 pulleys.

6

- (Reporter clarification.)
- The pulleys are formed out of plastic 7
- and that that was something that would have been 8
- obvious to the POSA. 9
- Q. Skowronski is not disclosing a manual 10 treadmill, is it? 11
- A. Yeah, I don't remember if it's a -- if 12
- it's one of the motorized ones that you can shut 13
- the motor off, but I -- I know that it is at least 14
- 15 motorized.
- Q. Skowronski is not a treadmill with a 16 curved running surface, is it? 17
- A. No. All the graphics show it as a 18
- flat treadmill. 19
- Q. And Skowronski also is not a treadmill 20
- that discloses a particular type of safety device, 21
- is it? 22
- I'm not sure. I recall that it was 23 A.
- using the plastic elements, and that's -- and that 24
- it put those plastic elements into the art of 25

- than 3 to 4 inches.
- At the time of the Skowronski 2
 - reference, do you agree with that statement?
 - A. Yeah. I mean, that -- that's their
 - understanding of the state-of-the-art at the time
- that this was filed, and that seems reasonable to 6 7
- Would your person of ordinary skill in 8 Q.
- the art have that same understanding? 9
- That's -- that's likely. I mean, I 10
- 11 have come across plastic pulleys before -- what is
- this? -- 1998. But as far as this one, the 12
- rationale to pull from this is not that metal ones 13
- couldn't be used. It's that plastic ones can be
- used, and you can make them larger than the metal 15 16 ones.
- And in Skowronski's view, you can make 17 these pulleys larger because it's more economical 18 to utilize the plastic material; is that right? 19
- A. Well, that and they're lighter. So 20

there are some weight savings with them. 21 And the POSA would also know that if 22

you're using them for turnarounds, that a larger 23

diameter is better for reliability than a smaller 24

25 one.

1

Page 138

Page 140

- treadmills. 1
- What its safety devices are, I don't 2
- recall off the top of my head. 3
- Or whether it even has safety devices, 4 Q.
- right? 5
- 6 A. Right. I know it has a bunch of
- sensors, and it's got some complicated controls 7
- within it. But I'm not sure, as I sit here, what 8
- 9 those are.
- O. But in your view, the relevance of 10
- Skowronski is this idea that a pulley can be made 11
- out of plastic? 12
- A. Right, that that is something that 13
- treadmills can be made from. 14
- O. So if you look at column 2 of 15
- Exhibit 1030, starting at line 10 through line 15, 16
- which is part of what I understand to be 17
- Skowronski's identification of the background of 18
- the invention, this portion of the specification 19
- states: Pulleys used in current exercise 20
- treadmills typically are made of steel or aluminum 21
- and, as such, are relatively expensive to make and 22
- 23 are relatively heavy. Therefore, because of
- tooling, manufacturing, and material costs, the 24
- diameter of the pulleys are normally no larger 25

- Q. Specifically, Skowronski identifies at
- column 7, starting at line 50, pulleys 22 and 28 2 are also preferably of a molded plastic 3
- construction. Suitable materials from which 4
- 5 pulleys 22 and 28 can be molded include
- glass-filled polypropylene, polystyrene,
- 7 polycarbonate, polyurethane, and polyester.
- Economical manufacture of the pulleys 22 and 28
- 9 having such a relatively large diameter is
- facilitated through the use of this plastic 10
- material. 11

Does Skowronski identify anywhere in 12 his disclosure the use of plastics to address any 13

- problems with static electricity? 14
- A. I don't recall if that is present 15 here.
- 16 Anywhere within your declaration, do 17
- 18 you cite to any portion of Skowronski that addresses any purported attempt by him to address 19
- problems with static electricity? 20
- A. I believe in my declaration that I 21
- cite ASTM, which references a UL standard for 22
- 23 electrical safety. I don't recall if Skowronski
- discusses that. 24
 - Q. Where in your declaration are you

7

20

23

Page 143

Page 141

- 1 citing ASTM regarding static electricity and
- 2 electrical safety?
- A. Yeah. Page 46. So the last sentence
- 4 states: The ASTM standard also invokes UL 1647 as
- 5 part of its instruction that electrical elements
- 6 shall be guarded --

7

- (Reporter clarification.)
- 8 A. Sure. Sorry.
- **9** The ASTM standard also invokes UL 1647
- 10 as part of its instruction that "electrical
- 11 elements shall be guarded so as to meet or exceed
- 12 UL 1647." This standard also provides guidance
- 13 regarding wordings, labeling, and the control
- 14 panel, as well as how fast a support structure
- system may raise or lower the treadmill.
- Q. What does UL 1647 say, if anything, about managing static electricity?
- 18 A. I don't recall exactly what UL 1647
- 19 states, but that is for electrical safety. So you
- 20 do not want users to get a shock from it.
- Q. Is that disclosed somewhere within
- 22 Exhibit 1019 or somewhere else within your
- 23 declaration?
- A. I don't believe UL is cited in
- 25 Skowronski; and I think that in my declaration,

- buildup?
- A. I think it depends on how it's used.
 - Q. Skowronski certainly doesn't identify
- 4 whether the plastic that it contemplates in its
- 5 pulleys will have anything to do with preventing
- 6 static buildup, does it?
 - A. I don't recall that being a portion of
- 8 Skowronski.
- 9 Q. In fact, that's not a problem
- 10 Skowronski identified that he was attempting to
- 11 solve, was it?
- A. I don't recall Skowronski stating
- 13 that.
- Q. And on paragraph 313 of your
- 15 declaration, which is on page 177 --
- 16 A. Okay.
- Q. -- you identify that Skowronski
- 18 explained several benefits associated with plastic
- 19 pulleys. Do you see where I'm talking?
 - A. Mm-hmm.
- 21 (Reporter clarification.)
- A. Yes. Yes.
 - Q. In your declaration, in that paragraph
- or any of the subsequent paragraphs talking about
- 25 Skowronski or anywhere else within your

Page 142

Page 144

- 1 that that's what I recall Skowronski -- yeah,
- 2 that's -- I believe that's the portion of my
- 3 declaration where I describe electrical safety as
- 4 part of the ASTM treadmill standard.
- 5 Q. Are all types of plastic electrically
- 6 insulative?

7

- A. I think plastic generally is. There
- 8 may be conditions over other circumstances where
- 9 it might not be.
- Q. How about with respect to the plastics
- 11 that are identified in Skowronski in the
- specification, are those plastics electrically
- 13 insulative?
- A. Generally speaking, I think so.
- Q. What's that based on?
- A. Just my experience building things.
- 17 And I have some experience with those materials
- being used in consumer products, and they're
- 19 usually around battery compartments and things
- 20 like that.
- So I've also seen ABS used; and all
- 22 those plastics are usually involved in making
- electrical enclosures and things like that for,
- 24 you know, small electrics.
 - Q. Will all plastic prevent static

- declaration for that matter, you don't identify
- 2 any benefit associated with managing or preventing
- 3 the buildup of static electricity, do you?
- 4 A. I don't recall that in the
- 5 declaration.
- 6 Q. In paragraph 313 --
- 7 A. Except that in portion 302, a POSA
- 8 would understand that plastic is electrically
- 9 insulative. So I do mention that in -- in
- 10 Ground 2.
- O. You weren't able to confirm for me
- 12 that plastic in all circumstances is electrically
- insulative though, were you?
- A. I think in room temperature conditions
 - where a treadmill would be expected to be used,
- that we could understand that plastic is
- 17 electrically insulated. If we just, say, yield to
- 18 the universe is plastic always electrically
- insulative, I can't guarantee that, that there's
- 20 not some extreme temperatures or humidity or
- 21 dryness conditions where it might not be, for
- 22 example.
- Q. In paragraph 302, you reference the
- 24 Schonenberger reference.
 - Where, if anywhere, does Schonenberger

25

25

10

11

13

14

15

18

19

20

21

22

23

24

25

2

Page 147

Page 145

- talk about addressing a potential problem with
- managing static electricity? 2
- A. So I don't believe that it does. So 3
- 4 that paragraph says, hey, if you take the metal
- ones that are in Schonenberger and make it out of
- plastic as Skowronski says to do, then you have an 6
- 7 electrically insulative system.
- Q. I know that's the opinion that you 8
- offer. I'm just trying to understand why a person 9
- of ordinary skill in the art would have been 10
- motivated to combine Skowronski with Schonenberger 11
- since Skowronski says nothing about addressing any 12
- problem associated with static electricity but, 13
- instead, is focused on the economics of using a 14
- lighter or a larger diameter pulley. 15

So explain that to me. Explain the motivation to combine.

- A. Sure. So I think -- I think you 18
- mentioned it right there, that the economics of it 19
- is a large portion. Not only that, but you can 20
- make a very large diameter pulley, which is 21
- important for using the heavy belt on top of it. 22
- Because if you have a thick belt, it won't want to 23
- make a sharp turn. 24

16

17

25 So you want a big pulley. And making

- 1 Q. Does Schonenberger identify any
 - problems with utilization of smaller pulleys -- or 2
 - metal pulleys, for that matter?
 - A. Well, Schonenberger does discuss the 4
 - pulleys 12A and discusses that if they are small, 5
 - it could be -- it could have negative -- a 6
 - 7 negative impact on the belt turning around. So
 - that -- so Schonenberger recommended to make the 8
 - pulleys 12A as large as possible. 9
 - Q. Does Schonenberger provide specific dimensions for its recommended pulleys?
 - A. I don't think that Schonenberger 12 provides dimensions for the smaller pulleys. I think it just gives you the instruction that those pulleys need to be small enough so that the runner
 - doesn't detect a variation in the -- in the 16 surface from pulley to pulley. 17

And I'm just looking for the citation for that right now.

Yeah. It says in column 7, about line 18, that the rollers are small with respect to the size of the slats. So no specific dimension, but small relative to the slats.

You don't discuss in any way in your declaration how the specific sizing of the pulleys

Page 146

Page 148

- a big pulley out of metal will add a ton of weight and a ton of expense in fabrication and shipping
- and all that stuff. So to avoid that, you could 3
- make those large pulleys out of plastic. And the 4
- added benefit of that is that they are also 5
- 6 insulative.

7

8

13

- Q. Isn't the only reason you focused on
- Skowronski and plastic pulleys because the
- 9 specification of the '884 patent tells you one of
- the problems the Woodway inventors were attempting 10
- to solve was preventing a static charge due to the 11
- operation of the treadmill? 12

MR. TURNER: Objection, form.

- Objection, foundation. 14
- A. Well, I was looking at it from a 15
- perspective of I'm making a treadmill with a belt 16 17
- that is weighted and heavy. And as someone with
- knowledge of conveyors and that sort of thing, I 18
- would not want it to go around a small diameter 19
- pulley at the end. 20

And so it makes sense that to avoid 21

- expense and weight and shipping costs from extra 22
- 23 weight, that it would make sense to have
- lightweight plastic pulleys on the front end and 24
- the rear. 25

- in Skowronski --1
 - (Reporter clarification.)
- Q. You don't discuss in any way in your 3
- 4 declaration how the specific sizing of the pulleys identified in Skowronski can effectively work or
- 5
- not with the pulleys of Schonenberger, do you? 6
- 7 A. No, not directly. Because it's well
- within the POSA's ability to be able to convert 8
- 9 those because they do work in the Skowronski
- treadmill and were basically replacing the large 10
- pulleys in Schonenberger with them, And they're 11
- used in the same manner in both treadmills. 12
- Q. In paragraph 313 of your declaration, 13 you appear to quote from Skowronski at column 7, 14
- lines 7 through 31. Specifically, you identify 15
- the relatively large diameter of pulleys 22 and 28 16
- provide significant performance advantages. One 17
- advantage is that the large diameter pulleys 18 permit the use of a relatively thicker belt 20. 19

Would the combination of relatively 20 large diameter pulleys contemplated by Skowronski 21 plus the use of a thicker belt translate into more 22

So your question -- can you just read that question back to me? I want to make sure I

23

24

25

static buildup?

3

13

17

18

23

24

25

5

6

11

12

18

Page 151

Page 149

- have it right.
- Q. Sure. 2

8

Would the combination described in 3 4

- paragraph 313 of your declaration, using a larger
- diameter pulley and a thicker belt, result in more 5
- static buildup than if you used a smaller diameter 6
- pulley with a thinner belt? 7
 - A. I think the larger diameter is going
- to give you less. Because the speeds are lower,
- the rotational speeds are going to be lower for 10
- the same belt speed. 11
- Q. You don't discuss that point in your 12 declaration, do you? 13
- A. I don't believe I do. 14
- 15 Q. How about with respect to paragraph
- 314? You identify that another benefit of larger 16
- pulleys is enhanced gripping between the pulleys 17
- and the belt due to increased contact area. 18
- Specifically, you cite to column 7, 19 lines 32 through 39. In part, that states: This 20
- large contact area provides enhanced "gripping" of 21
- the belt by the pulley, which in turn permits the 22
- use of lower belt tension than is required by 23
- treadmills having smaller diameter pulleys. 24
- 25 How, if at all, does this performance

- A. I don't see that in the abstract, and
- I don't see that in the background. 2
 - Q. I'll direct you to column 5 of
- Exhibit 1001, line 61: To prevent a static charge
- due to operation of the treadmill 10 from building 5
- on a pulley 62, 66 formed of electrically 6
- 7 insulative materials (e.g., plastic, composite,
- et cetera), an antistatic additive, for example 8
- Antistat 10124 from Nexus Resin Group of Mystic, 9 Connecticut 06355, maybe may be blended with the
- 10 11 GV-5H material.
- 12 Do you see that?
 - A. I see that.
- Q. Is the disclosure in the '884 patent 14
- relative to managing static electricity what 15
- dictated why you went to Skowronski? 16
 - A. No. For Skowronski, I was looking for a large diameter pulley that was economical. And
- the insulative properties -- electrical properties 19
- just fell into place with -- with this one. 20
- That's my recollection, at least from the analysis 21
- 22 done a year ago.
 - MR. TURNER: We've been going another hour and a half. Time for a break?
 - MS. JELENCHICK: Sure.

Page 150

Page 152

- advantage impact static electricity associated
- with the use of the treadmill? 2
- A. Sure. Well, if there is less slippage 3
- between the two components, then I think anyone 4
- who's rubbed a balloon on their hair understands 5
- 6 that you need that relative motion to scrape the electrons off. 7
- So if you can decrease the relative 8
- 9 motion between the two components and you can make
- the speed differences between the two smaller, 10
- then you will have a beneficial result in terms of 11
- static electricity. 12
- Q. And you don't discuss this particular 13 issue in your declaration in any way, do you? 14
- A. I don't believe so. 15
- Q. Okay. And Skowronski doesn't address 16
- the management of static electricity as motivation 17
- for his proposed inventions, does he? 18
- A. I don't recall that in Skowronski. 19
- One of the -- their invention is including the 20
- plastic pulleys, which is the primary reason why I 21
- 22 used it, the large diameter pulleys.
- 23 Will you agree with me that the '884
- patent specification specifically discloses a need 24
- 25 to manage static electricity?

(Recess had.) 1

BY MS. JELENCHICK: 2

- Q. Dr. Giachetti, how are you preventing 3
- yourself from using hindsight in doing your 4
 - evaluation of the claims of the Woodway patents?
 - Well, I read the backgrounds and the
- 7 abstracts of the prior art; I see what the prior art is looking to accomplish. And then all those 8
- 9 things of what the prior art is trying to
- accomplish, I put together. 10

So not using hindsight, but I use the motivations of the people -- the POSAs who are

- assembling those things, whether there is an 13
- economic need or a safety need or something like 14
- that. Those are the motivations that I'm looking 15

to when I am combining these references. 16 And I've got the hindsight, and those 17

rationales are outlined in my declaration.

- Q. Where in your declaration? 19
- A. Page 18 and 19. I think it starts on 20 page 17 under "Obviousness." 21
- Q. I'll agree with you that you state 22
- 23 that the obviousness inquiry should not be done in hindsight, but where do you tell me in these cited 24
- 25
 - pages how you avoid using hindsight?

Page 155

Page 153

- 1 A. Well, I have to go at it from the
- 2 perspective of here is a piece of prior art. And
- 3 what along these lines that are enumerated on
- 4 page 19 -- if, for example, I know that there is a
- 5 treadmill out there that says, hey, these -- a
- curved treadmill makes running -- reduces the
- 7 shock on the legs, that's good. Raising the back
- 8 end of it a little bit allows the person to center
- 9 themselves in the treadmill.

10

11

12

13

14

15

16

25

prior art.

Okay. Those are motivations that a person has to make a curved treadmill. And so those things, then it's like, oh, if I wanted to make those, are those parts available to that person? And the answer is, yes, those parts are available and have also been described in the

So all that stuff is available, and I don't need to look at the Woodway patents to know how to put those things together.

- Q. Why isn't it the case that you took
 the claim limitations in the Woodway patents and
 simply worked backwards by picking and choosing
 components from the prior art to meet those
 limitations?
 - A. Well, I don't believe that I worked

1 Magid.

3

10

11

12

13

14

15

16

17

18

19

20

21

22

23

- A. Tomato, tomato.
 - Q. Point me to where in Magid it
- 4 discloses the ability to use embodiments other
- 5 than the ratchet and pawl?
- 6 A. Yeah. So in column 4, line 46, it
- 7 says: A unidirectional control means 6, 6' is
- 8 installed to permit only unidirectional movement
- 9 of the left and right foot belts 4, 4'.

So that is just a general control means there. And then it goes on to say: In this embodiment, the control means 6, 6' includes a pair of ratchet gears.

So my reading of -- of that is that they show the ratchet and pawl here, but you could use any unidirectional control that you felt was suitable because it's an embodiment. It's just what they chose to show as opposed to admitting their invention to that, to the ratchet and pawl.

- Q. That particular citation that you provided from column 4, that relates specifically to the disclosures in Figure 2 through Figure 4, right?
- A. I don't know that it does. It just describes -- that's under the heading of "Detailed

Page 154

Page 156

- backwards. And for being the technical witness in
- 2 this IPR, you have to be aware of what the claims
- 3 are. So it -- it would be a lot of wasted time if
- 4 I started talking about all the different things
- 5 that aren't relevant to the actual claims.

6 So I had to focus the declaration to

7 discuss the motivations for someone to build

8 something that, you know, aligns with the claims.

- 9 So -- and the picking and choosing, I don't agree
- with that because, as we mentioned already,
- Sclater explicitly stated what type of bearing to

12 use.

13

14

15

16

17

In addition, Magid only describes that ratchet as an embodiment. So it could have been any sort of one-way device, not just the ratchet and pawl that they show in the pictures, as well as the other components that we've discussed.

The curved treadmill already existed.
The front and rear pulleys already existed and
were used in treadmills pretty widely. So I don't
agree that I worked backwards and only picked and
choosed -- chose various components to match the
claims.

Q. Where in -- we'll go with Magid. I've been calling Magid for a decade, but we'll go with

- Description of the Preferred Embodiments." So I
- 2 would say that that describes the preferred
- 3 embodiment, but not a limitation.
- 4 Q. So you reference, in paragraph 39 of
- 5 your declaration, certain secondary considerations
- 6 relevant to non-obviousness. Did your
- 7 understanding of those secondary considerations
- 8 come from Mr. Turner and his colleagues?
- 9 A. Yes.
- Q. In paragraph 452 of your declaration,
- 11 you stated that you are not aware of any objective
- evidence that might support the patentability of
- 13 the claims of the '884 patent. Did you do any
- 14 investigation before coming to that conclusion --
- 15 statement?
- A. No. In the sentence -- or the
- 17 conclusion of that sentence on the next page is
- 18 that the applicant did not raise any secondary
- indicia that -- during prosecution. So basically,that's it.
- Q. Why is that relevant?
- A. So in -- I don't recall searching for
- 23 that. But also, there was nothing provided by the
- 24 applicant that said, hey, here is something to
- 25 consider. So I didn't -- you know, if that stuff

Page 159

Page 157

- comes up, then I would review it and provide an opinion if asked. 2
- Q. The Patent Office ultimately concluded 3 that the claims of the '884 patent, for example, 4
- can issue. Why would the Woodway inventors offer
- evidence of secondary indicia of non-obviousness 6
- during prosecution? 7

10

11

- A. I'm not sure. I would have to ask an 8 attorney. 9
- Q. You also state that you're not otherwise aware of any publicly available evidence of secondary indicia of non-obviousness. 12

What, if anything, were you looking 13 for before you came to that conclusion or came to 14 state that in your declaration? 15

- A. Yeah. I mean, we have the things that 16 I enumerated at the beginning of the declaration. 17
- And I would have been interested in something that
- would have pointed to those things not being 19
- relevant or some other factor that -- that would 20
- have dissuaded me from my opinions that I -- that 21
- I made in the declaration, but I did not see any. 22
- O. Did you ask Mr. Turner or his 23
- colleagues for any information relating to the 24
- 25 identified categories of information in

- considerations relevant to non-obviousness?
- 2 A. I believe -- I believe so. Because if
- 3 we had evidence, then I would have needed to
- 4 review that and I would have needed to incorporate
- that into my analysis. 5
 - Q. So based on your discussion with
- 7 Mr. Turner and his colleagues -- or discussions
- with Mr. Turner and his colleagues, you concluded 8
- that there were no secondary considerations of 9
- non-obviousness to consider because there wasn't 10 11 evidence of such?
- A. I believe that's correct. 12
- What does commercial success of a 13 product do to the merits of the claimed invention 14
- mean to you? Or what's your understanding of that 15 secondary consideration? 16
- That you can sell the product and 17 18 continue to sell it and make money.
- Q. How about Section B, a long-felt but 19 unmet need for the invention, what do you 20 understand that to mean? 21
- Which page is that on again? 22
- Page 18, paragraph 39. 23
- All right. I guess for part (b) of 24
- paragraph 39, that that would be something that

Page 158

Page 160

- paragraph 39? 1
- A. Yes. So to gain my understanding 2
- which allowed me to put that section in, they gave 3
- me a description of all those things. 4
- Q. Did you ask whether there was any 5
- 6 evidence of -- of any of those things?
- A. I believe that that came up in our 7
- discussion; but that was, you know, a long time 8
- 9 ago. But I believe those were in our discussion.
- Q. So you previously had a discussion 10 with Mr. Turner about whether there was any 11
- evidence of secondary considerations of 12
- non-obviousness. What was the substance of that 13
- discussion? 14

15

16

- MR. TURNER: Objection to the extent this gets into any privileged communications.
- A. Yeah. So I needed an education on --17
- on what those things were at the time when they 18
- were going into the declaration. And I know that 19
- I asked them a number of questions about what that 20
- means, what sorts of things that would entail. 21
- And I believe that they gave me descriptions that 22
- 23 satisfied my curiosity at the time.
- Q. Was there any discussion about whether 24
- there was evidence of any of the secondary 25

- for years and years that people had pined for
- something and they just were not -- were not 2
- 3 getting that.
- Q. Do you recall the date of the first 4
- treadmill patent? 5
- 6 A. Oh, I could ballpark it at around 7
 - 1860.

12

- Q. And how about the Socwell patent, do 8
- 9 you have a date on that?
- A. Socwell, I feel like it was in the 10
- '70s, but I could be off on that one. 11
 - Oh, I'm sorry. It was in the '90s.
 - Q. What's the filing date -- or the
- effective filing date for the Woodway patents 14
- implicated by these IPR proceedings? 15
- A. I think we discussed that earlier. It 16
- was in 2010, I believe? 17
- Q. Do you believe the timeline to get to 18 the claimed inventions in the Woodway patents 19
- supports the statement that there was a long-felt, 20
- but unmet need for the invention? 21
- A. No. Because I think, you know, 22
- 23 Socwell is basically the same device to a casual
- observer who is just looking at it and says, oh, 24
- there's a curved treadmill. So I don't 25

Page 163

Page 164

Page 161

1 necessarily.

And I think ten years between Socwell and the priority date is not terribly long in the scope of the treadmill history, which goes back to the 1800s for the types of treadmills that we're working with here, and then even far back, like a couple thousand years, for the hamster-wheel style.

9 So in the scope of the time scale 10 here, I don't think ten years is very long at all.

Q. Do you have any evidence that Socwell was commercialized?

13 A. I do not.

Q. Okay. And you're not contending that Socwell meets each and every claim limitation of

any of the Woodway challenged claims, are you?

17 A. No. Per what we discussed earlier, I don't have any anticipation opinions.

Q. What does Section C mean to you?Failure of others to find the solution provided by

21 the claimed invention.

A. That means that people had the idea but couldn't make it work, or that they just kind

of floundered around the area of the invention but

25 -- but never got near it.

1 same thing.

2 Q. Did you have any discussion with

3 Mr. Turner or his colleagues about whether

4 LifeCORE deliberately copied Woodway's inventions?

MR. TURNER: Objection, form.

Objection -- just leave it at form.

A. No. I did not get to that part of --

of the litigation that I understand is now going

9 on

5

6

7

8

17

18

19

Q. What does Section E mean to you, which is unexpected results achieved by the invention?

A. Basically that you have a bunch of parts and you know what they do, you know what

they do together. And if you put them all

together, that they do something that you didn'texpect they could do.

And in this case, I don't think that there is anything that fits that description at all.

Q. But you don't discuss that in any way in any of your declarations, do you?

A. I'm not sure about that. But all these things -- even if it's not explicit here,

24 all the components that are used function in the

way that they're intended or sold for.

Page 162

Particularly, I called out the Emerson bearing

2 manual that describes the use of a one-way bearing

3 specifically for exercise equipment and conveyors,

4 which aligns with Sclater.

Q. Can you direct me to that particulardiscussion in your declaration?

A. Yeah. So basically, on pages 48, I

8 start discussing mechanical clutches. Then it

gets into one-way bearing-type clutches, which wesee from the PT Handbook. Then it gets into the

see from the F1 Handbook. Then it gets into the sprag-type ones as described in Sclater and talk

about the modes of operation.

And then after that, then the Emerson catalog for their commercially available sprag-type one-way bearings. Where they have the applications for exercise equipment and conveyors is there.

Q. So the Emerson reference that you just mentioned cites to pages 8 and 9 of that reference, which is Exhibit 1018.

You said, I think, on at least two occasions, that that exhibit and disclosure identifies that the sprag-type one-way bearing can be used for applications of exercise equipment.

25 That reference doesn't expressly say that, does

Q. Do you think Socwell had the idea and couldn't make it work?

A. I think Socwell appears like it works.

4 I don't know what the commercial history of that

5 treadmill is though.

3

17

22

25

Q. You have no discussion in yourdeclarations about the commercial viability or any

8 assessment of the design or operational capability

9 of Socwell, do you?

A. Well, I would say that I talk about it

inasfar-as it's a curved treadmill with bearingrails on either side to keep the running belt

rails on either side to keep the running belt in -- in a curved geometry. So I think from an

operational standpoint, I do discuss it.

Q. You don't identify that Socwell has a safety device, do you?

A. I don't.

Q. In fact, the Court in Connecticut

concluded that Socwell does not have a safetydevice, right?

A. I don't recall that.

Q. How about Part D, deliberate copying

of the invention by others, what does that mean to

24 you?

A. That other people see it and make the

12

13

14

15

16

17

18

19

20

21

22

23

Page 167

Page 165

1 it?

11

12

13

14

2 A. It does. Yeah. So on page 53 of that document, there is a bearing that is listed as --3 4 the applications for that are listed as exercise equipment, food-processing equipment, printing 5 presses, and roll conveyors. 6

So -- and it's -- it discusses it as a 7 sprag-type one-way clutch. And then the bearing 8 on the next page has the same field applications 9 as well. 10

Q. Nothing about the Emerson reference discloses that exercise equipment means treadmills, does it?

A. Well, I think treadmills is exercise

equipment. It's the -- you know, the difference 15 between a square and a rectangle. Exercise 16 equipment is the generic term or fitness 17

equipment, which I think is supported by the prior 18 art patents. 19

20 Q. None of your grounds for challenging the Woodway claims across the three patents is 21 based on the Emerson reference, are they? 22

A. I believe the grounds use the Sclater 23 reference. But the Emerson reference basically 24

parrots Sclater as how it's used and is evidence 25

relevant where there is a connection or a nexus

between the evidence and the claimed invention. 2

How do you evaluate whether there is a 3 4 connection or a nexus between any evidence and the claimed invention? 5

A. I would have to get some more input 6 7 from a legal sense on that. As I sit here, I --

the plain reading of this, which is what I 8

understood at the time of writing this 9

declaration, is that you could assemble all these 10

11 -- you know, a number of these, A through G, and

look through the lens of those ideas at the 12

invention to evaluate it. 13

Q. I understand you didn't do it in 14 connection with your work in this engagement. But 15

have you ever evaluated whether there was a 16

connection or a nexus between secondary 17

considerations of non-obviousness and claimed

inventions? 19

A. I believe while doing this 20 declaration, that that was considered. I did not 21

find these things to be persuasive while 22

considering these, even though I, you know, don't 23

have the licensing history, for example, of, you 24

know, Woodway or its licensees. But I know that I

Page 166

Page 168

- that, in addition to Sclater, that the -- that
- these bearings are useful in conveyors and

exercise equipment. 3

Q. Didn't the Patent Office already know 4 that is the case based on the PT Handbook? 5

6 A. I don't believe that the PT Handbook described exercise equipment, but certainly 7

described conveyors and back-stopping roller 8

9 bearings in the -- in there.

Q. Did you ask Mr. Turner or any of his 10 colleagues whether there were any third parties 11 12 that have taken licenses to the Woodway patents?

A. No.

13

22

Q. In the last sentence of paragraph 39, 14 you state: I understand that secondary 15 considerations are relevant where there is a 16 connection or a nexus between the evidence and the 17 claimed invention. 18

Do you know how to evaluate whether 19 there is a connection or a nexus between secondary 20 considerations and claimed inventions? 21

A. Can you repeat that?

23 Q. Yes.

You identify that you have an 24

understanding that secondary considerations are

did consider these things when compiling the 1 declaration. 2

3 Q. So what specific evidence of secondary 4 considerations did you consider when putting

together your declaration? 5

A. So for these, certainly I looked at 6 7 them as a whole. But for Part B, long-felt but

unmet need, the failure of others to find a 8

9 solution, unexpected results, those things are

more -- are going accepted -- against the accepted 10

wisdom of the prior art. I -- those are more 11 12

engineering-type of issues. And with those, I did not find any of those persuasive. 13

Q. In your declarations, you don't specifically identify which objective -withdrawn.

In your declarations, you don't 17 identify which specific secondary considerations 18 you consider or evidence of the same, do you? 19 20

A. That's correct.

Okay. Are you a named inventor on any patent applications? 22

A. Not to my knowledge.

Are you a named inventor on any issued 24 patents? 25

14

15

16

21

Page 171

Page 169

- 1 A. Not to my knowledge.
- Q. Have you ever been involved in the 2
- patent prosecution or the back-and-forth with the 3
- 4 Patent Office once a patent application has been
- filed? 5
- A. No. 6
- Q. Earlier today, you stated that you 7
- have not passed the patent bar. Have you ever 8
- attempted to sit for the patent bar? 9
- A. I have not. 10
- At page 65 -- or starting on page 65 11
- of your declaration through page 69, there is a 12
- summary provided of the '884 patent file history 13
- and the '169 patent file history. Do you see 14
- 15 that?
- A. Yes. 16
- Q. Did you draft that summary of what 17
- happened at the PTO with those two patents? 18
- A. I am sure I had a hand in -- in some 19
- of this, but I think most of this summary was 20
- initiated by Mr. Turner and his office. 21
- Q. Do you know why you didn't include any 22
- summary of the file history of the '580 patent? 23
- A. I don't recall, but I -- I'm trying to 24
- remember if this -- there is a similar section in 25

- 1 Q. You understand that case has been
- concluded for many years past four, right? 2
 - A. Yes. This list has been edited to
- 4 more closely reflect the last four years since
- this was -- since I provided this to Mr. Turner's 5
- 6 office.
- 7 Q. Okay. Can you tell me the technology
- at issue in the Namola case? 8
- A. Oh, that's a -- that's not a patent 9
- matter. That is a -- that was a -- a man and a 10
- 11 woman were riding a motorcycle and hit a deer.
- And it was -- I did an investigation regarding the 12
- deformation of the handlebars on the -- on their 13
- motorcycle in relation to whether or not it was
- possible to hit other portions of the motorcycle. 15
- Q. For which party or parties did you 16
- offer opinion testimony? 17
- A. I think it was DAE. That was all --18
- that's also a fairly old matter. I'm a little 19
- fuzzy on the details. 20
- Q. That Cahill versus Scheck Mechanical 21
- case, that's not a patent case, is it? 22
 - A. No.

23

2

10

18

20

22

- What kind of case is that? 24 Q.
- 25 I think it was a man who fell off a

Page 170

Page 172

- the declaration for that patent, or for my
- declaration regarding that patent. 2
- Q. Why did you include the summary of 3
- what happened in the '169 patent file history? 4
- A. I think because they had similar claim 5
- languages involved. 6

7

- Q. Any other reason?
- A. I believe it has to do with the terms
- 9 for a one-way bearing and safety device and
- bearing rail. Most of those claim terms appear in 10
- both of these. But the one-way bearing is in the 11
- '169, as well as the bearing rail. 12
- Q. You're not involved in any IPR 13
- challenge of the '169 patent, are you? 14
- A. Not that I know of while sitting here. 15
- Q. Let's look at your CV here for a 16
- minute, a few minutes, which is Exhibit --17
- 18 A. 4.
- Q. -- 1004. Specifically page 5, you 19
- identify your four-year testimony list. At the 20
- top of this list, you include Woodway versus 21
- Chapco, Inc. And Samsara Fitness, LLC, the case in 22
- 23 the U.S. District Court for the District of
- Connecticut. 24
- A. Correct. 25

- ladder, a worker. 1
 - Q. And who did you provide testimony for
- on behalf -- on behalf of those parties? Was it 3
- the gentleman or the entities associated with the 4
- 5 ladder or some other entity?
- 6 A. I seem to recall that it was the
- 7 employer, but I definitely did not work for the
- plaintiff on that one. I'm a little hazy on who I 8
- 9 was working for at the time.
 - Q. How long ago was that?
- That was probably 2018. 11
- The Siegel versus Blue Giant Equipment 12
- Corporation in the Northern District of Oklahoma, 13
- what kind of case was that? 14
- That was a worker basically walked off 15
- of the end of a dock, a loading dock, and pulled 16
- a -- a pallet full of heavy folding chairs onto 17 himself and was severely injured by that.
- Q. Who did you offer testimony for in 19 that case?
- Blue Giant. 21
 - Q. Cisneros versus Sheth, the case in the
- Illinois County Department of Cook County, what 23
- kind of case was that? 24
- That was, I think, a painter who fell 25

Patent No. 10,561,884 ROBERT GIACHETTI, Ph.D., P.E. Woodway USA, Inc. January 9, 2024 Page 173 Page 175 off a ladder. involved in any IPR proceeding? Q. For whom did you offer testimony in I think so. 2 2 A. that case? 3 Q. Was there a parallel district court 3 4 A. The defense. I don't recall what 4 litigation? their involvement was with it, though. A. Not that I was involved in. I don't 5 5 That was not a patent case? have any awareness of it either. 6 6 7 A. Correct. 7 Q. Is that work that you did while at Samantha Williams versus Tristar Exponent? 8 O. 8 Products, Inc., in the Middle District of Georgia, Yes. 9 9 A. what kind of case was that? Did you continue that work while at Q. 10 10 That was a pressure-cooker injury. 11 Fusion? 11 For whom were you offering testimony A. No. It concluded before I left. 12 12 in that case? Do you recall the general nature of 13 13 the scope of your testimony? A. Tristar. 14 14 A. I remember a little bit. So it was 15 15

Q. So there is a handful of Tristar

product cases on your testimony list. In all 16

instances, were -- were you offering testimony on 17

behalf of Tristar? 18

A. Correct. 19

20 Q. Is Tristar the manufacturer of the

pressure cooker? 21

They certainly distribute it. Whether 22

or not they manufacture it, I couldn't tell you as 23

I sit here right now. 24

Q. American National Manufacturing, Inc. 25

basically talking about valves, their operation, 16

how to sense pressure, fluid flow and like 17

friction involved in sending fluid from one place 18

to another or sensing pressure in one place versus 19

another. 20

So it was all basically controlling a 21 fan that provided pressure to the air bladders 22

that were the -- the air mattress. And so I did a

deep dive into the technology of air mattresses 24

25 and the valves that are used and -- and the

sensing of those, of the pressures. 1

Q. Do you recall who constituted the 2

relevant person of ordinary skill in the art in 3

4 that case?

5

A. I believe I did.

Q. And what specifically about your 6

7 qualifications qualified you to be at least a

person of ordinary skill in the art? 8

9 A. I'm having trouble remembering that

one, but it was along the lines of a bachelor's 10

degree in engineering or equivalent and a year of 11

experience designing equipment. I forgot what 12

other things I brought in from my experience. 13

But basically, that one had a lot to 14

do with sensors and actuating valves and things.

15

So I brought in that experience from my 16

background, which is necessary for someone to know 17

because it was all about sensing and actuating and 18

computer control. 19

And I think there was also a human 20 aspect of maintaining the comfort of the air 21 mattress as well, but I'm not 100 percent sure. 22

Do you recall whether you offered testimony arguing that the claimed inventions were

24 either anticipated or obvious? 25

Page 174

Versus Sleep Number Corporation, formerly known as Select Comfort Corporation, IPR2019-00514, for

whom did you offer testimony in that case? 3

A. I believe American National 4

Manufacturing. I don't recall terribly which 5

6 person it was, but I think that that's who I was

opining for. 7

Q. What was the technology involved in 8

9 the IPR?

A. That was an inflatable mattress, like 10

the technology that goes into sensing the pressure 11

and controlling it. 12

Q. Were you offering testimony in support 13

of a patent challenge or on behalf of the 14

petitioner? 15

A. I don't remember. I couldn't tell 16

17 you. Sorry.

Q. Do you know whether that IPR was 18

instituted? 19

20 A. I don't know.

Were you deposed in that case? Q. 21

22

23 Q. Do you know how that case resolved?

I don't recall. 24 A.

Was that the first time you were 25 O.

23

Page 176

9

23

2

12

Page 179

Page 177

- 1 A. I don't remember as I sit here.
- Q. Do you know if you used the Sclater 2
- reference in that case? 3
- 4 A. I did not.
- Q. B&P Littleford, LLC versus Prescott 5
- Machinery, LLC and Ray Miller, in the Eastern
- 7 District of Michigan, what kind of case is that?
 - A. That is a trade secret case about -- I
- think there was alleged copying of proprietary 9
- information. 10

8

- 11 Q. What was the nature of the technology in that dispute? 12
- A. Well, it wasn't really the technology. 13
- It was the shop drawings for -- it was a 14
- commercial machine. I can't remember what the 15
- name of -- it was like a super giant industrial 16
- mixer that was enormous, and they had a bunch of 17
- shop drawings. 18
- And there was a question as to whether 19 or not the shop drawings were copyrighted or not 20
- because they were a work of art and what the 21
- differences were between the alleged copycat 22
- drawings and the original shop drawings. 23
- Q. Did those shop drawings relate in any 24
- 25 way to treadmills?

- And he -- while he was making a spool of wire.
- 2 Q. Kraslen v. W.E. O'Neil in Cook County,
- Illinois, what kind of case was that? 3
- 4 A. So that was a maintenance worker who
- alleged that he stepped on a sump-pump cover which 5
- catastrophically fractured, and then he fell with 6
- 7 one leg into the sump-pump pit.
 - Q. What was the nature of your testimony in that case?
- A. So I was discussing the biomechanics 10
- 11 of the fall, what you could see from the security
- camera, and identifying where Mr. Kraslen was, 12
- while he was walking, and whether or not where he 13
- was walking was actually where the sump-pump hole
- was and whether or not the cover was there before 15
- he stepped on the area where the hole was. 16
- Q. Were you offering testimony in support 17 18 of Mr. Kraslen?
- A. No. 19
- Q. In the Pulford versus Ridg-U-Rak case, 20
- were you offering testimony in support of 21
- Mr. Pulford? 22
 - A. No.
- Vance versus Norfolk Southern Railway 24
 - Company in Macon County, Illinois, what kind of

Page 178

Page 180

1

- Q. Laura Musso versus Schnuck Markets in 2
- Missouri, what kind of case was that? 3
- A. A lady wearing two different shoes 4
- with some neuropathy in her legs, basically a loss 5
- 6 of sensation, sprained her ankle and accused
- 7 Schnuck's of having bad floors or slippery floors.
 - That was a premises liability case? Q.
- 9 A. I suppose that's true.
- Who were you offering testimony for? 10 O.
- Schnuck's. 11
- 12 Pulford versus Ridg-U-Rak, et al., in
- the Northern District of Illinois, what kind of 13
- case was that? 14
- A. A worker injury. 15
- What was the nature of the work? O. 16
- That was a wire-coiling device. So 17
- imagine you sell electrical wire. And they're all 18
- different gauges and sizes and they're all hung on 19
- a wall. And then there is a machine that you 20
- connect one to, and it will wind it up into 21
- however big a spool you need of that or whatever 22
- 23 custom order.
- So there was a jam, and it pulled the 24
- machine into this guy and seriously injured him.

- case was that? 1
 - That was a railroad worker who was on
- a railcar that -- that failed. Not -- not that 3
- 4 the railcar itself failed, but I believe -- and I
- 5 could be confusing this one with the one after it,
- but my recollection is that there was a fastener
- 7 on the ladder that gave way, causing Mr. Vance to
- 8 fall from the railcar.
- 9 Q. So in both the Vance and Tripp cases
- that you identify in your testimony list, were you 10
- offering testimony on behalf of the railroad? 11
 - A. Yes.
- Q. Have you ever offered testimony in 13
- support of a patent holder? 14
- A. I don't -- I don't think so. But 15
- certainly, if a patent holder called me and wanted 16
- technical assistance, I would be glad to help them 17 18
 - as long as we cleared the conflict check.
- Q. What percentage of your consulting 19 work relates to litigation consulting? 20
- A. That fluctuates from month to month, 21
- but I would say the majority is probably 22
- 23 litigation related. Last year, I had a number of
- nonlitigation matters that took up some time. But 24

6

14

15

19

10

11

15

Page 183

Page 181

- counting the pro bono volunteer stuff with the 2 committees.
- Q. Have your opinions ever been excluded 3 4 by a Court or the Patent Office?
- A. In one of those Tristar matters, there 5 was a motion to limit my testimony and I was not 6
- able to defend myself. So the Court adopted the 7
- proposals from the plaintiff; but those opinions 8
- have basically been allowed in every other Tristar 9 case that I've worked on. 10
- Q. Are you aware that certain of your 11 opinions were excluded in the Chapco/Samsara case? 12
- A. I was not aware that opinions were. I 13 seem to recall that like there might have been an 14
- issue with a deadline on one thing, but I did not 15 have the understanding that my opinions had been 16
- excluded. 17
- O. The Chapco and Samsara challenges to 18
- the validity of the Woodway patents were 19 unsuccessful. Would you agree with that
- 20 21 statement?
- A. I thought that the case settled, so I 22
- 23 don't know what the outcome was beyond that.
- Q. Well, the '580 patent wasn't 24
- invalidated as part of that lawsuit, was it? 25

- willing to assist with an investigation.
- Q. In paragraph 12 of your declaration, 2
- you state: I have been recognized as an expert in 3 4 mechanical power transmission equipment.

Who has recognized you as an expert in mechanical power transmission equipment?

- 7 A. Yeah, so that power transmission
- gearing committee was an invite. And also, the 8
- National Council of Examiners, which is the PE 9 exam people, they invited me to participate. So
- 10 11 they just don't ask anybody off the street, so
- they must have recognized something about me. 12 13
 - Q. Did you apply for either of those positions?
 - A. I did not.
- Did either of those organizations 16 identify that you can only be an expert if you 17 work with them? 18

MR. TURNER: Objection. Form.

- A. I don't know that that's how that 20 works. But those were invite-only opportunities, 21 which I gladly accepted. 22
- O. In extending the invitation for you to 23 join the ASME Power Transmission and Gearing 24
- Committee or the National Council of Examiners for

Page 182

Page 184

- A. I guess we wouldn't be here today --1 or no, here tomorrow then. So I guess the '580 2 3 stood.
- Q. Have you ever turned down any 4
- potential expert engagement? 5
- 6 A. Yes.
- 7 In what circumstances? Q.
- A. In the circumstances where I wasn't --8
- 9 I didn't feel like I was the right expert for it.
- Or there was a matter where someone came to me 10
- asking about a trade secret case; and I took a 11
- look at their stuff and I said, I cannot help you. 12
- Q. On how many occasions have you turned 13 down expert engagements relating to litigation or 14
- potential litigation? 15
- A. I would say that unless there is a 16
- conflict of interest, that I would review -- at 17
- least review documents and give someone an 18
- opinion. Whether or not that opinion helps them 19
- or not, we would get to that point and I would 20
- say, I cannot help you or you do not want a report 21
- from me. So I've definitely had those cases. 22
- 23 But generally speaking, on the face of
- it, if someone calls me with a matter and I take a 24
- look at the initial caption or whatever, I'm 25

- Engineering and Surveying, did they tell you they
- 2 considered you an expert?
- A. No, no one explicitly said that; but 3
- they wouldn't want someone developing the 4
- questions for engineering licensure who didn't 5
- have a solid understanding of engineering 6
- 7 licensure or engineering problem solving.
- MS. JELENCHICK: All right. Let's 8 9 put a pin in today, and we'll pick it up tomorrow.

THE WITNESS: Sounds good.

(Discussion had off the record.) 12

MR. TURNER: No further questions for 13 redirect -- or no questions for redirect. 14

MS. JELENCHICK: One final clarification. At the outset before this

16 deposition started, counsel discussed efforts 17

to streamline these deposition proceedings to 18 consolidate where we can. 19

My understanding of that agreement 20 would allow us to use the deposition testimony 21 in today's proceeding in the proceedings 22 23 relevant to the '580 patent and the '745 patent.

Counsel for petitioner, do you have 24 the same understanding? 25

	Page 185					Page 187
1	MR. TURNER: Yeah, that's fine. We	1	CERT	IFICATE OF S	SHORTHAND REPORTE	≅R
2	can do that. But I still want to we still	2	I	, JENNIFER I	L. BERNIER, Certi	ified
3	want to close it out for the day.	3	Reporter and	within and	for the State of	f Illinois
4	MS. JELENCHICK: Yes.	4	do hereby cer	tify:		
5	MR. TURNER: Close out	5	That	ROBERT GIAC	CHETTI, Ph.D., P.	.E.,
6	MS. JELENCHICK: Agreed.	6	the witness w	hose deposit	ion is hereinber	fore
7	(Deposition concluded at 5:27 p.m.)	7	set forth, wa	s duly sworr	by me before the	ne
8	('''	8	commencement	of such depo	sition and that	such
9		9	deposition wa	s taken befo	ore me and is a t	crue
10		10	record of the	testimony o	given by such wit	cness.
11		11	I fu	rther certif	y that the depos	sition
12		12	of ROBERT GIA	CHETTI, Ph.I	., P.E., occurre	ed at
13		13	the offices o	f Foley & La	arnder LLP on Tue	esday,
14		14	January 9, 20	24 commencir	ng at 9:39 to 5:2	27 p.m.
15		15	I fu	rther certif	y that I am not	related
16		16	to any of the	parties to	this action by h	olood or
17		17	marriage, I a	m not employ	ved by or an atto	orney to
18		18	any of the pa	rties to thi	s action, and th	nat I am
19		19	in no way int	erested, fir	nancially or othe	erwise,
20		20	in the outcom	e of this ma	itter.	
21		21	IN W	ITNESS WHERE	EOF, I have here	ınto set
22		22	my hand this	12th of Janu	ary, 2024.	
23		23				
24		24			DEDITED GOD	DVD CDD
25		25			3. BERNIER, CSR, 084-004190	RMR, CRR
	Page 186					Page 188
1	Page 186 ACKNOWLEDGEMENT	1	ERRATA S	HEET FOR THE	E TRANSCRIPT OF:	Page 188
1 2	· ·	2	ERRATA S	LIFECORE F	TRANSCRIPT OF:	/a
2	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE	2		LIFECORE FI ASSAULT FIT JANUARY 9,	TNESS, INC. d/b,	/a USA, INC.
2 3 4	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, v.	2 3 4	CASE NAME: DEP. DATE:	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC	TTNESS, INC. d/b, TNESS v. WOODWAY 2024	/a USA, INC.
2 3 4 5	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner,	2 3 4 5	CASE NAME: DEP. DATE:	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC	TTNESS, INC. d/b, TNESS v. WOODWAY 2024 CHETTI, Ph.D., P.	/a USA, INC.
2 3 4 5 6	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, v. WOODWAY USA, INC.	2 3 4 5 6	CASE NAME: DEP. DATE: DEPONENT:	LIFECORE FI ASSAULT FI JANUARY 9, ROBERT GIAC U.S. Patent	TTNESS, INC. d/b, TNESS v. WOODWAY 2024 CHETTI, Ph.D., P.	/a USA, INC.
2 3 4 5 6 7	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner.	2 3 4 5 6 7	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, TNESS v. WOODWAY 2024 HETTI, Ph.D., P. No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, v. WOODWAY USA, INC. Patent Owner. IPR023-0084	2 3 4 5 6 7 8	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, TNESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E.,	2 3 4 5 6 7 8 9	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FI JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, TNESS v. WOODWAY 2024 HETTI, Ph.D., P. No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript	2 3 4 5 6 7 8 9	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, TNESS v. WOODWAY 2024 CHETI, Ph.D., P. E No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition	2 3 4 5 6 7 8 9 10	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript	2 3 4 5 6 7 8 9 10 11 12	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the	2 3 4 5 6 7 8 9 10 11 12 13	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition	2 3 4 5 6 7 8 9 10 11 12 13 14	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the	2 3 4 5 6 7 8 9 10 11 12 13 14 15	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata sheets provided herein. ROBERT GIACHETTI, Ph.D., P.E.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata sheets provided herein. ROBERT GIACHETTI, Ph.D., P.E.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata sheets provided herein. ROBERT GIACHETTI, Ph.D., P.E.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FIT JANUARY 9, ROBERT GIAC U.S. Patent	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. : No. 10,561,884 Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata sheets provided herein. ROBERT GIACHETTI, Ph.D., P.E.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FII JANUARY 9, ROBERT GIAC U.S. Patent Reads Signatu Signatu	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. INC. 10,561,884 Should Read Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata sheets provided herein. ROBERT GIACHETTI, Ph.D., P.E.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	LIFECORE FI ASSAULT FII JANUARY 9, ROBERT GIAG U.S. Patent Reads Signatu D SWORN BEFO	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. INC. 10,561,884 Should Read Should Read	/a USA, INC. E. Reason
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ACKNOWLEDGEMENT UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD LIFECORE FITNESS, INC. d/b/a ASSAULT FITNESS, Petitioner, V. WOODWAY USA, INC. Patent Owner. IPR023-0084 U.S. Patent No. 10,561,884 I, ROBERT GIACHETTI, Ph.D., P.E., state that I have read the foregoing transcript of the testimony given by me at my deposition on January 9, 2024, and that said transcript constitutes a true and correct record of the testimony given by me at the said deposition except as I have so indicated on the errata sheets provided herein. ROBERT GIACHETTI, Ph.D., P.E. SUBSCRIBED AND SWORN to before me this day of, 2024.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	CASE NAME: DEP. DATE: DEPONENT: CORRECTIONS: Pg. Ln. Now	Signatu Signatu Signatu Signatu COF	TINESS, INC. d/b, INESS v. WOODWAY 2024 CHETTI, Ph.D., P. INC. 10,561,884 Should Read Should Read THE OF Deponent ORE ME , 2024.	/a USA, INC. E. Reason

Woodway CBH, Inc.	1	1	Junuary >, 202
	actively (1)	61:3;100:1;103:22;106:22;	98:21
\$	59:9	119:6;121:23;151:22;158:9;	angry (1)
Ψ	activity (2)	172:10	26:11
\$300 (1)	61:24;62:20	agree (12)	ankle (1)
23:12	actual (2)	44:2;72:13;73:6;80:21;	178:6
\$390 (1)	107:15;154:5	81:2;98:7;139:3;150:23;	anthropometry (3)
24:4	Actually (9)	152:22;154:9,21;181:20	77:24;85:15;88:11
\$410 (1)	6:3;59:2,7;63:11;90:11;	agreed (2)	anticipated (3)
24:2	107:14;110:10;136:15;179:14	34:7;185:6	135:12,17;176:25
	actuating (2)	agreement (1)	Anticipation (4)
[176:15,18	184:20	135:5;136:1,2;161:18
	add (1)	air (4)	Antistat (1)
[No (1)	146:1	175:22,23,24;176:21	151:9
130:25	added (2)	al (1)	antistatic (1)
	122:20;146:5	178:12	151:8
${f A}$	adding (1)	alignment (1)	Apart (1)
	128:20	87:15	21:5
ability (4)	addition (5)	aligns (2)	apparatus (1)
56:4,6;148:8;155:4	104:6,7;107:3;154:13;	154:8;164:4	88:21
able (10)	166:1	alleged (4)	appear (4)
43:8;51:22;64:23;68:17;	additional (1) 125:16	10:18;177:9,22;179:5	126:10;127:21;148:14; 170:10
99:13,22;110:17;144:11;	additive (1)	allow (3) 69:13;76:8;184:21	Appearances (1)
148:8;181:7	151:8	allowed (3)	3:3
above (2)	address (11)	87:14;158:3;181:9	appeared (1)
93:4;112:9	59:18,21;61:18;69:4,21;	allows (1)	81:1
ABS (1)	95:2;117:9;122:21;140:13,19;	153:8	appears (3)
142:21 abstract (1)	150:16	almost (2)	108:22;136:21;162:3
151:1	addressed (3)	5:17;29:17	appended (1)
abstracts (1)	12:11;66:17;94:23	along (5)	56:18
152:7	addresses (1)	61:6;78:1;114:16;153:3;	applicant (2)
academic (2)	140:19	176:10	156:18,24
11:11;28:10	addressing (4)	alternate (4)	application (6)
accept (2)	84:1,10;145:1,12	43:21;44:3,8;76:21	63:18,20;64:9,13;76:17;
9:25;43:16	Adds (1)	alternative (1)	169:4
accepted (4)	128:18	44:6	applications (8)
9:11;168:10,10;183:22	admin (2)	although (2)	112:12,13;130:15;164:16,
accepting (1)	8:15;26:12	7:19;51:21	24;165:4,9;168:22
11:16	administrative (1)	aluminum (1)	apply (2)
access (3)	102:2 admins (1)	138:21 always (3)	88:20;183:13
72:21;108:4,13	7:9	9:5;108:18;144:18	applying (1) 120:17
accompanies (1)	admitting (1)	9.5,106.16,144.16 American (2)	approach (1)
94:24	155:18	173:25;174:4	106:20
accomplish (2)	adopt (1)	among (1)	approximate (3)
152:8,10	80:6	84:22	13:13;24:5;25:24
According (2) 57:16;62:7	adopted (1)	amount (5)	approximately (8)
accounting (1)	181:7	26:14;59:13;89:17;99:7;	20:11;31:3;46:21;49:24;
8:15	advance (4)	102:18	100:12;101:9;103:13;108:25
accuracy (1)	8:6;11:13;51:24;53:3	amounts (1)	April (5)
8:17	advantage (3)	97:22	27:3;31:3;72:1;125:12;
accurate (1)	129:3;148:18;150:1	analysis (31)	126:20
32:20	advantages (4)	42:1,4,21;46:5;55:13;	Archives (6)
accused (1)	108:1;111:7;116:25;148:17	71:16;75:3,10,23;76:2;94:2,6;	45:3;50:5,10,21;51:3,8
178:6	Afternoon (1)	97:4,16,21;98:1,6;101:3,4;	area (5)
achieved (1)	3:9	104:5;105:2,3;120:12,18;	132:1;149:18,21;161:24;
163:11	again (8)	128:5;131:4,19;134:23;137:1;	179:16
Acknowledgement (1)	5:16;38:7;91:3;92:8;114:6;	151:21;159:5	arguing (1)
3:11	134:8,18;159:22	analyzed (1)	176:24
acquainted (1)	against (5)	133:19	argument (2)
92:17	10:9;22:10,23;69:9;168:10	ancient (1) 107:1	119:18;133:22
across (4)	ago (14) 10:7;13:10,20;45:19;50:7;	and/or (1)	around (14) 50:11,20;54:7;58:24;59:7;
20:20;91:25;139:11;165:21	10.7,13.10,20,43.19,30.7,	anu/UI (I)	50.11,20,54.7,56.24,59.7,

90:21;113:18;115:8;116:15;	assume (2)		bearing (19)
142:19;146:19;147:7;160:6;	43:10;64:22	В	111:10,12;124:15;129:25,
161:24	assuming (1)	В	25;130:1;131:22;132:4;
arranged (2)	43:5	D 0 D (1)	154:11;162:11;164:1,2,23;
85:22;116:15	asterisk (1)	B&P (1)	165:3,8;170:9,10,11,12
		177:5	
arrow (1)	134:4	bachelor's (3)	bearings (10)
115:4	asterisks (1)	93:6,17;176:10	85:6;86:14;110:4,6,23,24;
art (108)	133:25	back (12)	129:12;164:15;166:2,9
11:3,6;12:15;18:15,16,17,	ASTM (17)	12:22;18:13;30:17;45:4;	bearing-type (1)
23;19:6,17;20:1,5,7,11;44:15,	54:8,14,16;56:2,23;57:17;	71:21;84:17;102:21;103:6;	164:9
18;45:12;47:22;48:22;49:1,4,	60:9,21;66:19,20;67:5,22;		became (2)
15;50:1;51:2;52:14;53:24;	140:22;141:1,4,9;142:4	148:25;153:7;161:4,6	46:11;66:10
		back-and-forth (3)	· ·
55:5;63:14;70:15,16,20;	attempt (3)	95:23;96:4;169:3	become (1)
74:10;77:1,4,13,17;78:5,20;	106:3,7;140:19	background (15)	9:6
79:3,18;80:9,12,14;81:15;	attempted (1)	7:11;11:5,10;28:7,9,10;	began (2)
84:19;93:5;96:10;97:12,23;	169:9	37:6;38:8;77:21;93:12,13;	20:10;50:1
98:12;99:4;100:2;101:3,10,	attempting (2)	98:16;138:18;151:2;176:17	begin (1)
13;102:11,17;103:1,7;104:5,	143:10;146:10	backgrounds (1)	24:9
8,11,12,25;105:14,17;106:4;	attention (2)		beginning (5)
107:7,10;116:9,17;117:12,23;	37:11,14	152:6	13:12;31:2;32:11,15;
		Backstopping (1)	
118:20;119:20;120:4,7;	attorney (2)	111:25	157:17
122:13,21;123:5;128:4,7;	10:15;157:9	back-stopping (2)	begins (2)
129:8;131:19;133:1,4,9,16,18,	audible (1)	112:7;166:8	69:16;124:1
20;134:25;135:1,13,19;136:6;	130:25	backwards (6)	behalf (9)
137:25;139:9;145:10;152:7,8,	Australia (1)	111:19;112:8;114:2;	5:25;33:7;34:15;132:15;
9;153:2,16,23;165:19;168:11;	65:22	153:22;154:1,21	172:3,3;173:18;174:14;
176:3,8;177:21	Australian (8)		180:11
artificial (1)	54:10;65:16;66:7,11,18;	bad (1)	belong (1)
		178:7	
89:20	67:4;70:2,11	balloon (1)	15:8
Asian (3)	author (1)	150:5	below (1)
70:21;71:1,7	92:10	ballpark (3)	112:11
ASME (1)	authored (2)	99:16,17;160:6	belt (27)
183:24	72:7;126:11	Bank (3)	85:24;87:4,15,18;88:1,4;
aspect (5)	authoring (1)	16:24;17:2,15	111:22;113:17;114:4,9,20;
87:7;91:6;122:23,24;	96:8		115:7,20;117:23;145:22,23;
176:21	authorities (2)	bar (3)	146:16;147:7;148:19,22;
Assault (9)	103:9,18	19:13;169:8,9	
		base (2)	149:5,7,11,18,22,23;162:12
14:7,18,19,24;15:5;17:11;	authors (1)	71:11;125:3	belts (7)
65:6;71:24;72:5	95:24	based (15)	86:12;87:4;110:5,23;
assemble (2)	authorship (1)	12:20;22:8;23:15;28:22;	114:14;129:14;155:9
52:16;167:10	101:5	40:5,25;60:12;71:16;108:22;	beneficial (1)
assembling (2)	available (13)	134:25;136:11;142:15;159:6;	150:11
129:20;152:13	28:3;69:7;107:13;108:12,	165:22;166:5	benefit (3)
asserted (1)	20;110:18;124:16;125:4;		144:2;146:5;149:16
40:2	153:13,15,17;157:11;164:14	bases (2)	benefits (1)
		43:15;122:14	` '
assessing (1)	average (1)	basic (1)	143:18
83:23	91:19	109:13	best (1)
assessment (3)	avid (1)	basically (35)	13:18
9:23;25:23;162:8	93:8	11:4;12:6;21:13;39:2,3;	better (2)
assessments (1)	avoid (3)	52:14;54:4;56:21;58:2,12;	109:22;139:24
123:11	146:3,21;152:25	62:23;63:2,22;69:15;79:11;	beyond (5)
assist (1)	aware (18)		14:8;22:14;68:15;132:7;
183:1	9:6;39:25;40:8,10,15;46:11,	85:4,8,17,20;87:1;95:5;	181:23
assistance (1)	13;72:4;88:6;90:23;110:14,	107:23;137:2;148:10;156:19;	big (9)
		160:23;163:12;164:7;165:24;	
180:17	23;127:11;154:2;156:11;	172:15;175:16,21;176:14;	11:9;12:17;68:8;72:10;
assisting (2)	157:11;181:11,13	178:5;181:9	117:19;132:23;145:25;146:1;
83:25;84:1	awareness (1)	basing (1)	178:22
associated (10)	175:6	71:18	bikes (1)
60:5;67:15;69:22;92:13;	away (2)	basis (5)	64:17
104:3;143:18;144:2;145:13;	68:16;118:5	8:18;19:10;23:4;121:3;	billed (2)
150:1;172:4	awkward (1)		24:2,9
associate's (1)	80:25	123:23	billings (1)
89:1	00.23	battery (1)	25:24
07.1		142:19	23.2 T

1.91 (4)	116 16 117 05	154.25	4 : (2)
bills (1)	116:16;117:25	154:25	categories (2)
8:15	brand (5)	calls (3)	57:15;157:25
binder (2)	14:14,18;17:5,7;64:24	13:9;18:12;182:24	category (1)
60:15;67:5	brand-new (1)	came (12)	57:11
binders (2)	58:20	12:6;20:19;41:3,5,17;48:4;	caught (1)
23:10;111:18	breadth (1)	63:13;120:12;157:14,14;	68:10
biomechanics (14)	111:4	158:7;182:10	cause (1)
11:10,12;78:12;85:15;	break (9)	camera (1)	85:3
88:11,14,24;89:11,24;90:6,	42:13,18;67:24;82:8,11,16,	179:12	causing (1)
15;91:2,6;179:10	21;118:16;151:24	Can (48)	180:7
biomechanics/anthropometry (1)	breaks (1)	5:22;23:16;32:12;57:19;	caution (2)
79:14	130:6	60:1;61:24;62:20;63:11,12;	19:21;34:18
bit (10)	brief (2)	67:20;68:2;86:12,16;88:18,	CEN (1)
59:7,16;76:25;86:3;101:2;	106:2;110:9	20;91:11;99:24;111:15;	63:7
109:20;111:6;132:24;153:8;	briefing (1)	113:9;114:6;122:11;126:13;	center (1)
175:15	72:15	128:11;129:2;130:8;134:8;	153:8
bladders (1)	briefly (3)	137:4,13;138:11,14;139:14,	certain (11)
175:22	53:6;110:8;134:20	15,17;140:5;145:20;148:5,24;	17:23;29:22;39:20;46:9;
Blair (5)	Briggs (1)	150:8,9;157:5;159:17;164:5,	53:23;72:14;92:24;94:24;
132:10,14,17,25;133:3	50:15	23;166:22;171:7;183:17;	126:7;156:5;181:11
Blair's (1)	broad (1)	184:19;185:2	Certainly (15)
127:17	111:4	candidate (1)	44:1;72:11;86:19;87:7,12;
blended (1)	broken (1)	28:4	90:18;97:4;106:6;121:7;
151:10	83:24	Cantor (13)	122:6;143:3;166:7;168:6;
Bless (1)	Brooks (2)	9:17,19;12:23,25;13:14,22;	173:22;180:16
16:14	24:24;25:3	14:2,5;20:19;21:24;24:6;	certificate (4)
blocks (1)	brought (3)	27:9;31:22	88:17,22;89:2,3
17:1	128:4;176:13,16	Cantor's (2)	certificates (1)
Blue (2)	buckets (2)	14:9,16	89:6
172:12,21	112:7,25	capability (1)	Certification (1)
blurred (1)	budget (1)	162:8	3:13
6:14	25:17	capable (1)	cetera (3)
Board (4)	buffer (3)	74:3	126:25,25;151:8
35:24;36:10,16;121:10	95:7,11,14	caption (3)	chairs (1)
bodies (2)	build (2)	111:25;126:14;182:25	172:17
66:18;101:21	85:9;154:7	care (1)	challenge (15)
body (5)	building (2)	8:17	11:19;12:1;45:12;121:4;
54:16;57:17;87:2;88:19;	142:16;151:5	carries (1)	122:14,20;125:18;126:7;
91:21	buildup (5)	15:12	127:12;133:12;136:6,8,22;
boiled-down (1)	143:1,6;144:3;148:23;	carrying (2)	170:14;174:14
128:23	149:6	113:19;115:14	Challenged (5)
bono (1)	built (1)	case (57)	39:17;89:22;119:14;
181:1	108:17	7:25;11:22,23;13:7;21:13;	135:16;161:16
book (6)	bunch (3)	34:11;71:24;80:9;93:23;	challenges (3)
107:12,15,16,18,22;116:13	138:6;163:12;177:17	109:9;115:15;123:22;124:5,	13:24;17:23;181:18
books (1)	business (1)	12,22;125:11,18;126:6,14,17;	challenging (7)
26:19	102:9	127:5;132:5;153:20;163:17;	18:7;81:19,21;92:12;
boss (1)		166:5;170:22;171:1,8,22,22,	119:13;124:24;165:20
27:21	C	24;172:14,20,22,24;173:3,6,	change (7)
bosses (1)		10,13;174:3,21,23;176:4;	42:4,21;43:2;74:24;75:5,8,
27:22	Cahill (1)	177:3,7,8;178:3,8,14;179:3,9,	23
	` '		
both (6)	171:21	20;180:1;181:10,12,22;	changed (2)
59:21;75:6;123:13;148:12;	171:21 calendar (1)	182:11	43:3;75:9
59:21;75:6;123:13;148:12; 170:11;180:9	171:21 calendar (1) 23:20	182:11 cases (3)	43:3;75:9 changes (3)
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2)	171:21 calendar (1) 23:20 California (1)	182:11 cases (3) 173:16;180:9;182:22	43:3;75:9 changes (3) 28:22;43:8;58:16
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3	171:21 calendar (1) 23:20 California (1) 72:1	182:11 cases (3) 173:16;180:9;182:22 casual (1)	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15)
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3 boundary (1)	171:21 calendar (1) 23:20 California (1) 72:1 call (12)	182:11 cases (3) 173:16;180:9;182:22 casual (1) 160:23	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15) 10:12,18;11:8;18:24;21:20;
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3 boundary (1) 90:12	171:21 calendar (1) 23:20 California (1) 72:1 call (12) 12:22,25;13:1,11;14:2,5,9,	182:11 cases (3) 173:16;180:9;182:22 casual (1) 160:23 catalog (1)	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15) 10:12,18;11:8;18:24;21:20; 52:19;53:1;78:5;109:6;
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3 boundary (1) 90:12 brainstorm (1)	171:21 calendar (1) 23:20 California (1) 72:1 call (12)	182:11 cases (3) 173:16;180:9;182:22 casual (1) 160:23 catalog (1) 164:14	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15) 10:12,18;11:8;18:24;21:20; 52:19;53:1;78:5;109:6; 124:22;125:17;131:13;132:3;
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3 boundary (1) 90:12 brainstorm (1) 105:16	171:21 calendar (1) 23:20 California (1) 72:1 call (12) 12:22,25;13:1,11;14:2,5,9, 16;24:10;60:1;105:19,21 called (8)	182:11 cases (3) 173:16;180:9;182:22 casual (1) 160:23 catalog (1) 164:14 catastrophically (1)	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15) 10:12,18;11:8;18:24;21:20; 52:19;53:1;78:5;109:6; 124:22;125:17;131:13;132:3; 170:22;181:18
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3 boundary (1) 90:12 brainstorm (1) 105:16 brainstorming (1)	171:21 calendar (1) 23:20 California (1) 72:1 call (12) 12:22,25;13:1,11;14:2,5,9, 16;24:10;60:1;105:19,21 called (8) 5:9;13:14;24:6,8;67:21;	182:11 cases (3) 173:16;180:9;182:22 casual (1) 160:23 catalog (1) 164:14 catastrophically (1) 179:6	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15) 10:12,18;11:8;18:24;21:20; 52:19;53:1;78:5;109:6; 124:22;125:17;131:13;132:3; 170:22;181:18 Chapco/Samsara (21)
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3 boundary (1) 90:12 brainstorm (1) 105:16 brainstorming (1) 105:20	171:21 calendar (1) 23:20 California (1) 72:1 call (12) 12:22,25;13:1,11;14:2,5,9, 16;24:10;60:1;105:19,21 called (8) 5:9;13:14;24:6,8;67:21; 69:14;164:1;180:16	182:11 cases (3) 173:16;180:9;182:22 casual (1) 160:23 catalog (1) 164:14 catastrophically (1) 179:6 catch (1)	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15) 10:12,18;11:8;18:24;21:20; 52:19;53:1;78:5;109:6; 124:22;125:17;131:13;132:3; 170:22;181:18 Chapco/Samsara (21) 10:24;31:24;45:5;51:19;
59:21;75:6;123:13;148:12; 170:11;180:9 bottom (2) 114:23;115:3 boundary (1) 90:12 brainstorm (1) 105:16 brainstorming (1)	171:21 calendar (1) 23:20 California (1) 72:1 call (12) 12:22,25;13:1,11;14:2,5,9, 16;24:10;60:1;105:19,21 called (8) 5:9;13:14;24:6,8;67:21;	182:11 cases (3) 173:16;180:9;182:22 casual (1) 160:23 catalog (1) 164:14 catastrophically (1) 179:6	43:3;75:9 changes (3) 28:22;43:8;58:16 Chapco (15) 10:12,18;11:8;18:24;21:20; 52:19;53:1;78:5;109:6; 124:22;125:17;131:13;132:3; 170:22;181:18 Chapco/Samsara (21)

17;78:16;80:19,24;81:8;	148:2;184:16	coming (6)	6:14;22:15
104:9,13;106:4;122:4;123:22;	clarity (2)	22:14;91:23;104:16;	concern (4)
126:6;181:12	13:11;62:25	134:21,22;156:14	69:3,9,21;114:1
chapter (2)	clause (2)	Comission (1)	concerned (1)
			97:19
116:16;117:25	56:23;57:9	66:19	
charge (2)	clean (1)	commented (1)	concerns (8)
146:11;151:4	26:18	134:2	66:17;67:9,10,15;68:14,19;
check (5)	clear (3)	commercial (5)	86:22;113:25
8:15,16;9:10,23;180:18	83:10;106:1;134:17	64:9;159:13;162:4,7;	concluded (6)
Chickering (1)	clearances (2)	177:15	157:3;159:8;162:19;171:2;
119:8	67:12;68:7	commercialized (1)	175:12;185:7
children (1)	cleared (1)	161:12	conclusion (5)
57:12	180:18	commercially (4)	24:1;78:11;156:14,17;
Chinese (1)	clearly (2)	110:17;124:16;125:4;	157:14
70:22	84:13;119:4	164:14	concrete (1)
choosed (1)	clever (1)	committee (18)	88:18
154:22	93:3	54:17;57:21,22;58:2,13,21,	conditions (3)
choosing (2)	client (4)	22,23,25;59:3,5,6,11,15,25;	142:8;144:14,21
153:22;154:9	6:2,3,4;53:21	60:3;183:8,25	conducted (1)
chose (2)	CliffsNotes (2)	committees (5)	105:11
154:22;155:18	107:25;123:3	58:17;59:18,21;60:22;	conducting (1)
circumstances (7)	close (2)	181:2	9:22
25:7,9,10;142:8;144:12;	185:3,5	common (2)	conferences (1)
182:7,8	closely (1)	52:15;124:16	7:2
Cisneros (1)	171:4	communication (1)	confident (1)
172:22	club (7)	53:16	26:20
citation (2)	15:8,12,25;16:23,24;17:2,	communications (3)	confidentiality (1)
147:18;155:20	15	19:22;34:19;158:16	65:1
cite (4)	clue (1)	companies (1)	configuration (2)
63:10;140:18,22;149:19	22:15	10:11	16:20;117:9
cited (15)	clutch (7)	company (4)	confirm (1)
44:22;71:11;72:14;103:9;	111:23;112:1,3,7;116:11;	10:8,11;82:24;179:25	144:11
107:6;119:20;123:25;126:22;	117:1;165:8	comparable (1)	confirmed (1)
127:10;133:8;134:4,5,10;	clutches (13)	123:8	18:9
141:24;152:24	104:21;110:6,24;112:10;	compartments (1)	conflict (4)
cites (1)	116:16,24;117:25;118:8;	142:19	9:10,22;180:18;182:17
164:19	129:13,16;130:8;164:8,9	compel (1)	conflicts (2)
citing (1)	collaboration (1)	80:6	14:5;18:10
141:1	121:13	compelling (1)	confusing (1)
claim (33)	collaborative (1)	119:18	180:5
38:19,23,25;39:7;40:1,10;	78:23	compensated (1)	conjunction (1)
41:24;42:19,25;72:15,19,25;	colleagues (13)	23:11	56:20
73:7;75:18;76:4,21;80:7;	78:19;79:17;103:24;	Competition (1)	connect (1)
81:4;82:2;90:12,12,17,19,24,	105:17;132:3;133:18;135:2;	66:19	178:21
25;96:24;120:18;131:1;	156:8;157:24;159:7,8;163:3;	compiling (1)	Connecticut (3)
135:12;153:21;161:15;170:5,	166:11	168:1	151:10;162:18;170:24
10			
	column (9)	Complaint (1)	connection (10)
claimed (10)	73:13;138:15;140:2;	71:23	63:25;64:4;72:15;127:13;
115:21;159:14;160:19;	147:20;148:14;149:19;151:3;	complicated (1)	166:17,20;167:1,4,15,17
161:21;166:18,21;167:2,5,18;	155:6,21	138:7	consequence (2)
176:24	combination (7)	components (24)	11:7;18:24
claims (41)	49:12;121:4;127:21;128:1,	11:4;41:12;52:15;75:17;	consider (15)
39:3,17,20,22;40:19;41:11;	2;148:20;149:3	77:8,23;85:22;87:3;107:24;	43:20;44:3;74:22;77:1;
80:22,23;81:1,11,12,20,21;	combinations (4)	109:14,21,23;110:1,2,15;	85:10;97:4,8;102:4;130:19;
82:4;89:21;90:8,20,20;91:25;	81:24;82:1;135:19;136:6	111:2;117:6;123:4;150:4,9;	131:12;156:25;159:10;168:1,
92:4,5,5,11;94:25;96:22;	combine (2)	153:23;154:17,22;163:24	4,19
97:13;115:25;119:14;122:14;	145:11,17	composite (1)	consideration (2)
123:15;135:16;136:8;152:5;	combining (1)	151:7	117:11;159:16
154:2,5,8,23;156:13;157:4;	152:16	compounds (1)	considerations (15)
161:16;165:21	Comfort (2)	128:18	84:10;87:9;114:21;117:10;
clarification (10)	174:2;176:21	computer (2)	156:5,7;158:12;159:1,9;
15:22;55:21;56:10;63:5;	comfortable (1)	8:14;176:19	166:16,21,25;167:18;168:4,
73:22;137:6;141:7;143:21;	91:14	concept (2)	18

considered (10) contentions (4) 183:9,25 71:24;72:5 19:17;20:1;84:23;93:11; 10:9:34:15:36:4.6 counsel (4) **DAE** (1) 4:4;82:18;184:17,24 118:25;120:9,9;123:14; contents (1) 171:18 dash (2) 167:21:184:2 125:23 count (1) considering (1) context (2) 60:16,20 16:19 167:23 88:2.3 counter-rotation (1) date (26) 112:2 consistency (1) continue (2) 13:13,16;27:6;50:3;61:13; counting (1) 61:7 159:18:175:10 62:16;66:8,9;93:25;94:3,7,12, 181:1 15,18,24;95:2,7,17;104:23; consistent (2) contribute (1) County (4) 79:8;80:5 78:19 126:20;127:6;160:4,9,13,14; consolidate (1) control (6) 172:23,23;179:2,25 161:3 141:13;155:7,10,12,16; day (1) 184:19 couple (11) constitute (2) 176:19 13:6;20:15;59:3;98:24; 185:3 115:11;136:10 controlling (2) 101:11;102:10,25;116:22; days (1) constituted (1) 174:12;175:21 132:21;133:23;161:7 98:24 controls (2) 176:2 coupled (1) deadline (1) constitutes (4) 86:5;138:7 69:13 181:15 79:3,17;88:13;94:3 course (1) conversation (5) decade (1) constraints (3) 12:3;13:6;22:5;119:5,9 82:9 154:25 131:5,6,7 conversations (3) **court (13)** decide (1) construction (29) 13:7;17:25;120:6 12:10;13:3;29:10;34:11; 133:9 38:20,23,25;39:7,16;40:18; decided (2) convert (1) 40:1;74:25;75:25;76:22; 41:10,17,21,24;42:25;43:5; 148:8 162:18;170:23;175:3;181:4,7 23:1;118:20 72:15,20;73:14,19,25;75:1,9, conveyor (39) cover (2) decision (9) 16,18,24;76:7,8,18,21,23; 49:11;85:18,20,23,25; 179:5,15 13:23;18:2;35:19,22,23; 86:3;140:4 86:18;87:4,4,10,10,16,20,23, covered (2) 36:10,22;37:8;131:23 constructions (14) 25;88:6;111:10,22;112:3,5,6, 85:4;90:13 decisions (1) 40:2;42:3,9,20;43:11,21; 15,20,22;113:6,12,24;114:5, creation (1) 36:11 44:4,7,9;72:25;73:7,8;120:18; 10,18,22;115:7,9,13,19;116:3; 63:17 declaration (86) 118:12;129:9,14,24 cross-listed (2) 23:8;27:3,7;30:23;32:13,21, construed (4) conveyors (13) 62:12,13 25;36:8;37:20;38:9;39:4; 39:22:40:13:76:15:97:1 86:15.16.19.21:87:13:88:4: crossover (2) 40:15;44:2;54:3,12;60:8; consultant (2) 129:15:146:18:164:3,16; 87:6.8 62:7;66:12;71:20;72:7;75:11; cumulative (3) 83:22:102:5 165:6:166:2.8 77:4;78:8;82:5;84:18;94:21, Cook (2) 23;95:1;96:9;100:7,13,16,25; consulted (1) 128:9,12,16 172:23;179:2 110:21 curiosity (1) 101:7;103:6,9;104:3;119:2, consulting (9) cooker (1) 158:23 10;120:14,15,17,21;124:4,20; 6:22;101:19,23;102:1,5,9; current (2) 127:9:131:7.17.18:134:21: 173:21 110:15;180:19,20 copied (1) 65:2:138:20 135:4;136:12;140:17,21,25; consumer (14) 163:4 currently (3) 141:23,25;142:3;143:15,23; 57:22,24;58:1,23;59:24; copy (15) 7:4;57:20;101:18 144:1.5:147:25:148:4.13: 64:13,16,20;65:5,10,16,19; 30:10,11;45:21,22,24;46:3; curvature (3) 149:4,13:150:14:152:18,19: 66:19;142:18 47:4;48:1,4;51:18,22;62:23; 92:9,9,13 154:6;156:5,10;157:15,17,22; 63:2;78:15;96:12 158:19;164:6;167:10,21; contact (3) **Curve (11)** 168:2,5;169:12;170:1,2;183:2 69:14;149:18,21 copycat (1) 17:9;86:16,17,18;91:24; contacted (7) 177:22 114:3,8,19,23;115:11;117:15 declarations (23) 9:12,20;13:19;20:9;21:24; curved (19) 22:21;35:6,11,16;36:20; copying (2) 162:22;177:9 50:8;86:9;90:4;91:4; 37:16;43:20,25;81:24;96:17; 31:18;46:14 contained (6) copyrighted (1) 112:19,23;113:7,13;115:7,20, 98:2;99:13;100:4,19;101:5; 38:9;39:11;67:16;124:19; 177:20 21;116:12;137:17;153:6,11; 103:19;108:21;121:17; 129:18:131:19 core (1) 154:18;160:25;162:11,13 133:21;162:7;163:21;168:14, 17 contains (1) 75:5 curves (1) 117:4 **Corporation (3)** 115:1 decrease (1) contemplated (3) 172:13;174:1,2 custom (1) 150:8 25:24;124:23;148:21 correctly (3) deep (2) 178:23 contemplates (1) 40:23;42:7;136:16 Cutter (1) 36:25;175:24 143:4 corresponding (1) 119:7 deeper (1) contending (1) CV (2) 55:7 97:23 161:14 corresponds (1) 57:16;170:16 deer (1) content (2) 127:8 171:11 D 128:19,20 costs (2) defend (1) 138:24;146:22 contention (1) 181:7 119:23 Council (2) D/b/a (2) Defendant (1)

73:2	descriptive (2)	42:5	dispute (1)
defense (1)	123:1,11	dig (1)	177:12
173:4	design (17)	97:23	disqualified (1)
define (2)	63:25;64:4,8,12;65:5,10;	digging (1)	21:13
77:3;90:9	82:23,25;83:11,17;84:1,21;	44:23	dissertation (3)
defined (3)	91:21;93:18;116:12;117:7;	dimension (1)	89:12,14,16
32:3;42:5,7	162:8	147:23	dissuaded (1)
defines (3)	designated (1)	dimensions (2)	157:21
61:20,21;62:17	125:25	147:11,13	distance (1)
definitely (8)	designation (1)	direct (8)	91:20
78:24;87:8;125:5;129:13;	60:18	32:12;54:21;72:24;111:15;	distribute (1)
130:17;132:21;172:7;182:22	designations (1)	123:24;126:12;151:3;164:5	173:22
definition (18)	126:23	directed (5)	district (14)
77:6,12,16;78:4,7,8,14,15,	designing (2)	56:25;61:16;91:1;101:19;	12:10;13:3;29:10;34:11;
19;80:8;84:18,25;88:8;91:10;	91:23;176:12	136:2	40:1;71:25;74:25;170:23,23;
92:24;93:15,21;110:13	design-related (1)	direction (6)	172:13;173:9;175:3;177:7;
deformation (1) 171:13	83:25 desire (1)	111:11;112:1,24;115:4; 116:5;129:17	178:13 dive (2)
degree (5)	122:21	directly (1)	36:25;175:24
19:12;79:12;89:1;93:17;	desktop (1)	148:7	dock (2)
176:11	47:14	director (2)	172:16,16
deliberate (1)	detailed (2)	6:17,20	document (7)
162:22	44:9;155:25	disadvantages (2)	72:25;124:5;125:12;
deliberately (1)	details (2)	108:1;111:7	126:16,18;127:5;165:3
163:4	8:1;171:20	disagree (1)	documented (1)
delineate (1)	detect (1)	74:8	51:4
99:22	147:16	disclosed (3)	documents (2)
demonstrate (1)	determining (1)	127:13;129:9;141:21	50:22;182:18
88:23	58:7	discloses (4)	done (10)
demonstrated (2)	developed (2)	137:21;150:24;155:4; 165:12	24:13;29:2;35:3;75:3;
88:10,13 denotes (1)	134:25;135:3 developing (2)	disclosing (1)	82:23;100:3;116:6;117:23; 151:22;152:23
60:18	99:11;184:4	137:10	double-check (1)
Department (1)	development (2)	disclosure (11)	43:25
172:23	90:19;102:23	32:11;35:8;56:5;111:16;	down (6)
depending (2)	device (13)	116:10;123:7,8;125:17;	36:2;124:4;125:8;130:6;
87:19;118:4	41:10,12;44:4;75:14,17;	140:13;151:14;164:22	182:4,14
depends (1)	112:2;137:21;154:15;160:23;	disclosures (5)	Dr (13)
143:2	162:16,20;170:9;178:17	34:21,24;35:1,5;155:22	5:14;42:18;124:8;125:9,24;
depiction (1)	devices (3)	discovered (1)	126:24;127:17;132:10,14,17,
113:3 depicts (1)	87:14;138:2,4 diameter (15)	108:13 discs (1)	25;133:3;152:3 draft (1)
116:2	138:25;139:24;140:9;	85:6	169:17
deposed (1)	145:15,21;146:19;148:16,18,	discuss (11)	drafting (2)
174:21	21;149:5,6,8,24;150:22;	12:19;55:19;82:17;147:4,	100:6,19
Deposition (9)	151:18	24;148:3;149:12;150:13;	drawings (6)
5:4,18;21:20;37:3;51:24;	dictated (1)	154:7;162:14;163:20	177:14,18,20,23,23,24
184:17,18,21;185:7	151:16	discussed (8)	dresser (1)
Describe (7)	differ (1)	13:8;122:25;133:17,18;	58:3
32:5;33:3;39:1;44:17;	104:12	154:17;160:16;161:17;184:17	dressers (1)
57:19;62:2;142:3	difference (2)	discusses (3) 140:24;147:5;165:7	58:8
described (6) 105:22;149:3;153:15;	85:23;165:15 differences (6)	discussing (2)	drive (1) 47:17
163.22,144.3,133.13,	82:5;110:6;112:18;113:3;	164:8;179:10	driven (1)
describes (9)	150:10;177:22	discussion (22)	114:16
39:4;92:8;111:12,23;	different (32)	11:18;13:2;76:21;78:24;	driving (1)
116:24;154:13;155:25;156:2;	12:5,9;13:3;40:9;42:23,25,	79:1,4,6,7;105:22;106:2;	112:24
164:2	25;57:6;61:8;73:25;80:22;	118:23;120:11;158:8,9,10,14,	dropped (1)
description (6)	81:11,23,23,24;82:1,3,4;86:3;	24;159:6;162:6;163:2;164:6;	120:1
81:17;109:13;117:1;156:1;	108:19;109:21;111:8;116:21;	184:12	dryness (1)
158:4;163:18	117:5;118:3;120:21;123:12;	discussions (7)	144:21
descriptions (2)	131:1,7;154:4;178:4,19	60:23;79:16,23;80:2;95:16;	due (4)
109:21;158:22	differently (1)	135:1;159:7	65:1;146:11;149:18;151:5

J., alin a. (1)	141.2 5 10 10 142 2 22	142.22	152.2.157.17
dueling (1)	141:2,5,10,19;142:3,23;	142:23	153:3;157:17
73:8	151:19;178:18	encyclopedia (3)	equipment (42)
duly (1)	electrically (8)	107:23;123:1;128:24	14:13,25;15:3,6;54:17,19;
5:10	142:5,12;144:8,12,17,18;	end (12)	58:11,12;59:11,25;61:22;
dumping (1)	145:7;151:6	40:22;63:7;76:12;92:6;	62:18;64:5,16,21;65:6,11;
112:8	electricity (12)	115:25;117:13,16,17;146:20,	82:23;84:22,25;85:1,9,10;
duplicate (1)	140:14,20;141:1,17;144:3;	24;153:8;172:16	108:17;112:14;117:10;
106:7	145:2,13;150:1,12,17,25;	ended (3)	129:23;164:3,16,24;165:5,5,
durable (1)	151:15	52:23,23;119:1	12,15,17,18;166:3,7;172:12;
67:13	electrics (1)	endless (1)	176:12;183:4,6
during (12)	142:24	113:18	equipped (2)
13:1;48:14;87:12,15,16;	electronic (8)	engage (1)	56:9,12
98:22;102:12,19;109:6;125:6;	30:8,10,14;47:8,16,23;48:9;	131:23	equivalent (4)
156:19;157:7	108:14	engaged (6)	79:12;93:6,11;176:11
duties (4)	electronically (2)	11:24;23:5,14;46:19;49:25;	Errata (1)
6:19;20:22;21:1,5	30:6;108:12	70:14	3:15
	electrons (1)	engagement (52)	essential (1)
${f E}$	150:7	9:7,13,24;11:1,8,16;13:15;	128:23
-	element (7)	14:17;18:11;19:19;20:3;	essentially (1)
earlier (5)	40:21;73:15;74:2,13,14;	21:25;22:21;24:7,9,17,20,23;	112:11
101:24;134:17;160:16;	113:19;124:16	25:11,19,25;27:10;31:4,7,11,	establish (1)
161:17;169:7	elements (11)	19;32:2,6,22,25;33:3,4,8;34:1,	102:22
early (3)	75:6;85:2,6;86:6,8;118:9;	3,9;44:13;45:11;46:15;48:19;	established (1)
13:17;17:24;30:24	125:5;137:24,25;141:5,11	63:15;70:6;78:21;92:20;	111:6
easier (1)	eliminate (1)	94:15;99:8;101:14;104:12;	estimate (6)
90:4	117:21	109:17;132:3;167:15;182:5	13:18;99:10,14,16,16;100:8
easiest (1)	ellipticals (1)	engagements (1)	estimation (3)
46:6	64:17	182:14	26:2;100:9;104:2
East (3)	else (12)	engineer (3)	E-stops (1)
16:24;17:2,15	12:24;30:11;33:8;47:19;	28:12,14;133:6	87:13
Eastern (1)	48:13;51:16;57:13;79:22;	engineering (19)	et (4)
177:6	101:1;136:9;141:22;143:25	6:6,6,9,12,18,21;23:10;	126:25,25;151:8;178:12
	else's (3)	32:8;77:21;78:11;89:9,11;	evaluate (6)
economic (1) 152:14	95:11;105:4;107:18	93:18;101:4;176:11;184:1,5,	9:24;39:20;98:11;166:19;
		93.18,101.4,170.11,184.1,3, 6,7	167:3,13
economical (3)	e-mail (1) 34:7		
139:18;140:8;151:18		engineering-type (1)	evaluated (1)
economics (2)	e-mails (1)	168:12	167:16
145:14,19	26:12	engineers (2)	evaluating (5)
edited (1)	embodiment (4)	7:7,10	42:7;94:12;97:13;116:10; 123:15
171:3	154:14;155:12,17;156:3	enhanced (2)	
education (2)	embodiments (2)	149:17,21	evaluation (2)
132:22;158:17	155:4;156:1	enormous (1)	44:18;152:5
effective (4)	emergencies (2)	177:17	even (7)
66:10;94:24;95:2;160:14	56:4,6	enough (5)	22:3;74:15;86:2;138:4;
effectively (1)	emergency (4)	15:21,23;93:3;109:15;	161:6;163:23;167:23
148:5	56:21,25;57:5;67:11	147:15	everyone (1)
effort (1)	Emerson (6)	entail (1)	8:1
89:19	164:1,13,18;165:11,22,24	158:21	Evidence (16)
efforts (1)	emphasis (1)	enter (4)	73:1;156:12;157:6,11;
184:17	104:18	8:14;9:3,4;68:2	158:6,12,25;159:3,11;161:11;
eg (3)	employees (3)	entertained (1)	165:25;166:17;167:2,4;168:3,
66:20,22;151:7	7:3,6,14	53:18	19
eight (3)	employer (3)	entirely (2)	exact (2)
50:7;106:22;121:23	51:25;65:2;172:7	27:17;29:20	13:16;58:11
either (13)	employment (1)	entities (2)	exactly (2)
39:6;59:18;70:25;85:3;	102:13	14:4;172:4	79:6;141:18
86:20;90:24;91:15;94:7;	employs (1)	entity (1)	exam (1)
162:12;175:6;176:25;183:13,	6:7	172:5	183:10
16	EN (5)	entrapment (1)	Examination (2)
elapsed (1)	62:11,24;63:2,7,12	68:8	3:7;5:12
20:11	encapsulated (1)	entries (1)	examined (1)
electrical (12)	103:2	71:5	5:10
54:8;67:19;87:7;140:23;	enclosures (1)	enumerated (2)	examiner (28)
	İ	Î.	Í

12.16.10.7.19.20.2.6	154.10.10		6-H (4)
12:16;19:7,18;20:2,6;	154:18,19	_	fell (4)
95:24;96:23;97:5,11,17;98:3,	existing (1)	\mathbf{F}	151:20;171:25;172:25;
8,9,16,17,21;99:3;119:21;	129:22		179:6
122:16,16,22;123:14;133:10;	exit (1)	F2115 (2)	felt (5)
134:2,4,5,10,24	68:2	66:20;67:6	10:2;109:12,15;133:21;
examiners (3)	expect (1)	F2115-05 (1)	155:16
98:24;183:9,25	163:16	60:18	fence (1)
example (18)	expected (2)	fabrication (1)	90:21
21:11;45:7;57:25;67:11;	127:24;144:15	146:2	few (9)
74:12;77:3;81:4;104:20;	expecting (1)	face (3)	17:4;20:15;87:14;103:15;
111:13;112:2;123:10;125:2;	117:19	124:7;125:13;182:23	118:6,11,14;130:9;170:17
126:17;144:22;151:8;153:4;	expense (2)	facilitate (1)	field (2)
157:4;167:24	146:2,22	85:3	93:22;165:9
examples (4)	expensive (1)	facilitated (1)	figure (16)
110:10;111:5;128:24;	138:22	140:10	89:19;111:22;112:10,21,22;
129:20	experience (22)	fact (7)	113:3,6,12,24;114:11;115:19;
exceed (1)	28:3,25;33:2;77:7,22,24;	43:16;72:14;92:23;134:5,	116:1;129:8;130:5;155:22,22
141:11 E	78:12;79:13,13;84:21,23,24;	10;143:9;162:18	figuring (1)
Except (3)	85:8,11,13;88:18;93:19;	factor (1)	84:2
76:11;122:16;144:7	142:16,17;176:12,13,16	157:20	file (20)
excluded (3)	expert (20)	failed (2)	13:24;17:22;18:2;45:4;
181:3,12,17	5:24;11:15;20:20;21:12;	180:3,4	47:8,16,23;48:5,9;53:9,13;
excludes (1)	29:9;77:10;125:9,21,22;	Failure (2)	95:21;96:13,18,20;134:19;
92:24	126:24;127:12;130:19; 131:12;182:5,9,14;183:3,5,	161:20;168:8	169:13,14,23;170:4 filed (8)
excuse (3) 67:1;76:13;117:3	17;184:2	fair (13)	21:16;35:13;72:1;124:6;
execute (2)	expertise (3)	13:19;15:18;17:19,20;23:5;	125:12;134:15;139:6;169:5
32:24;33:7	32:8;132:1,9	24:12;26:13;31:17;45:10;	filing (6)
executed (4)	experts (1)	65:4,9;89:17;99:6	94:24;95:2;126:20;127:6;
27:2;30:23;32:21;35:15	21:11	fairly (3)	160:13,14
exemplar (1)	explain (4)	104:15,24;171:19	filings (1)
129:8	5:22;91:12;145:16,16	faith (1) 43:13	20:24
exercise (27)	explained (2)	fall (4)	final (1)
49:10;54:17,19;64:16,17,	43:17;143:18	56:19;117:20;179:11;180:8	184:15
20;65:5,11;88:11,14,24;	explanation (2)	falling (2)	find (8)
89:11,24;90:15;91:1,5;93:13;	94:17;120:23	68:3;117:13	45:24;48:21;49:3;110:17;
138:20;164:3,16,24;165:4,12,	explicit (4)	falls (1)	161:20;167:22;168:8,13
14,16;166:3,7	74:11;116:5;129:6;163:23	57:11	finding (2)
exerciser (1)	explicitly (4)	familiar (12)	44:25;50:9
49:10	69:4;112:17;154:11;184:3	10:3,25;14:10,17;18:24;	fine (1)
exercising (1)	Exponent (11)	31:14;38:19;92:17;110:11;	185:1
16:8	51:21,25;52:3,6;53:1,8,12,	121:7;122:6,9	fingers (1)
Exhibit (58)	17,18;132:11;175:8	familiarity (6)	68:10
3:5;23:9;26:23;29:21;	expressly (1)	11:2,3,6,12;18:21;121:19	firm (2)
30:20;35:8;39:13;41:25;	164:25	fan (1)	6:7;31:14
42:10;43:19;44:1;54:22;	extending (1)	175:22	first (21)
55:17,19;56:7;60:13,18;	183:23	far (18)	5:10;13:6,14;14:23;21:25;
61:15;62:1;63:20;65:14,15,	extends (1)	8:20;18:14;44:22;90:3,19;	24:6;27:9;31:23;38:1;39:22;
23;67:6;70:3;71:5,14,22;	124:2	91:3;97:5,21;99:11;101:3;	46:11,17;49:22;50:2;72:21;
72:22;73:4,6,13;75:11,13,22;	extent (1)	119:18;122:25;123:11;125:4,	100:1,18;101:7;121:6;160:4;
76:3,16,20;121:25;122:2,9;	158:15	7;134:22;139:12;161:6	174:25
123:20;124:3,7;125:13;	extra (2)	fast (1)	fit (1)
126:17,23;127:3;134:19;	95:5;146:22	141:14	101:16
135:5,8;136:15;138:16; 141:22;151:4;164:20,22;	extraordinary (1) 133:4	fastener (1)	Fitness (29) 5:25;6:2;10:12;12:2;14:10,
141:22;151:4;164:20,22; 170:17	extreme (1)	180:6	18,20,24;15:2,6;17:12,22;
Exhibits (9)	144:20	favorable (2)	22:7,11,24;34:11,16;54:17;
4:3;5:4;67:1,2;71:13,22;	Extrinsic (1)	20:5;52:6	64:4;65:7;71:24,24;72:5;
125:25;126:4,13	73:1	feel (4)	73:2;82:23;112:14;117:10;
exist (6)	eye (1)	10:25;109:17;160:10;182:9	165:17;170:22
84:2,3;111:3,13;127:23;	28:2	fees (2)	fits (1)
128:8		26:3,14 feet (2)	163:18
existed (2)		61:24;62:20	five-minute (2)
		01.24,02.20	` '

82:8;118:16	137:7;151:6	178:19	108:8,16
fixed (1)	former (2)	gave (12)	graphics (1)
111:23	51:25;65:2		137:18
	*	41:1;51:13;61:1;70:16,18,	
flat (6)	formerly (2)	20;79:9;95:5;107:5;158:3,22;	great (3)
84:6,6,11;112:25;113:1;	132:11;174:1	180:7	42:15;52:5;77:19
137:19	forth (1)	gearing (2)	gripping (2)
flavor (4)	102:21	183:8,24	149:17,21
36:24;37:12;38:7;97:25	forward (1)	gears (2)	ground (6)
flexibility (1)	63:3	85:6;155:13	13:8;120:20,22;121:2,3;
25:5	found (5)	general (11)	144:10
flip (4)	49:4;75:14;86:15;104:20;	29:16;60:2;65:20;68:13,14;	grounds (15)
26:22;39:12;118:11;129:2	132:7	74:13,19;121:18;130:7;	81:19,20,22;119:13;120:13,
flipped (2)	foundation (1)	155:10;175:13	19;121:17;122:14,20;133:21;
23:20;126:2	146:14	generally (5)	135:3,18;136:5;165:20,23
Flipping (1)	four (4)	30:2;90:15;142:7,14;	group (4)
127:19	7:19,21;171:2,4	182:23	58:6;59:4,15;151:9
flips (1)	four-year (1)	generation (1)	groups (2)
102:21	170:20	89:13	57:23;58:14
floors (2)	fractured (1)	generic (1)	guarantee (1)
178:7,7	179:6	165:17	144:19
floundered (1)	frame (6)	gentleman (1)	guarded (2)
, ,	50:12;86:14;111:24;112:5;	172:4	
161:24			141:6,11
flow (1)	113:16;114:17	geometry (1)	guess (4)
175:17	free (2)	162:13	43:13;159:24;182:1,2
fluctuates (1)	61:25;62:21	Georgia (1)	guidance (1)
180:21	friction (1)	173:9	141:12
	175:18	German (2)	
fluid (2)			guy (2)
175:17,18	friendly (1)	70:23;71:1	132:20;178:25
focus (1)	48:22	gets (3)	GV-5H (1)
154:6	front (8)	158:16;164:9,10	151:11
focused (4)	72:12;115:8,17,17,17;	GIACHETTI (12)	gym (3)
42:22;93:22;145:14;146:7	119:20;146:24;154:19	3:1;4:1;5:8,14;42:18;124:5,	14:13;15:9,19
			, , -
folding (1)	full (1)	8,12;125:10,24;126:24;152:3	
folding (1)		8,12;125:10,24;126:24;152:3	
folding (1) 172:17	full (1) 172:17	8,12;125:10,24;126:24;152:3 Giant (3)	Н
folding (1) 172:17 follow (2)	full (1) 172:17 full-time (2)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16	Н
folding (1) 172:17 follow (2) 21:16,17	full (1) 172:17 full-time (2) 101:14,17	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2)	H hair (1)
folding (1) 172:17 follow (2) 21:16,17 following (4)	full (1) 172:17 full-time (2) 101:14,17 function (1)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9	H hair (1) 150:5
folding (1) 172:17 follow (2) 21:16,17	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2)	H hair (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8)	H hair (1) 150:5 half (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8;	H hair (1) 150:5 half (1) 151:24
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14	H hair (1) 150:5 half (1) 151:24 halfway (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3,	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6;	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4;	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6;	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17;	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13;	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11;	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8;
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18,
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8;
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16;	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19,
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7;	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21;
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12,	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19 forgot (2)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11 Google (6)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1) 125:24
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19 forgot (2) 58:11;176:12	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11 Google (6) 44:20;48:16,18;49:7,14,22	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1) 125:24 handful (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19 forgot (2) 58:11;176:12 Form (10)	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20 G gain (1)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11 Google (6) 44:20;48:16,18;49:7,14,22 governing (1)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1) 125:24 handful (1) 173:15
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19 forgot (2) 58:11;176:12 Form (10) 92:3;98:4;115:23;122:5;	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20 G gain (1) 158:2	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11 Google (6) 44:20;48:16,18;49:7,14,22 governing (1) 135:11	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1) 125:24 handful (1) 173:15 handle (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19 forgot (2) 58:11;176:12 Form (10) 92:3;98:4;115:23;122:5; 125:1;133:13;146:13;163:5,6;	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20 G gain (1) 158:2 gait (1)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11 Google (6) 44:20;48:16,18;49:7,14,22 governing (1) 135:11 government (1)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1) 125:24 handful (1) 173:15 handle (1) 69:6
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19 forgot (2) 58:11;176:12 Form (10) 92:3;98:4;115:23;122:5; 125:1;133:13;146:13;163:5,6; 183:19	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20 G gain (1) 158:2	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11 Google (6) 44:20;48:16,18;49:7,14,22 governing (1) 135:11 government (1) 50:23	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1) 125:24 handful (1) 173:15 handle (1) 69:6 handlebars (1)
folding (1) 172:17 follow (2) 21:16,17 following (4) 14:5;21:19;62:15;120:18 follows (1) 5:11 food-processing (1) 165:5 foot (7) 68:1;69:6,8,12,15,16;155:9 footnote (2) 55:2;60:12 footnotes (2) 55:3,7 foot-to-hip (1) 91:19 force (3) 16:6;89:13;118:10 forced (1) 97:7 foreign (2) 71:19,19 forgot (2) 58:11;176:12 Form (10) 92:3;98:4;115:23;122:5; 125:1;133:13;146:13;163:5,6;	full (1) 172:17 full-time (2) 101:14,17 function (1) 163:24 functional (4) 114:1,20;115:12;116:4 furniture (3) 58:1;59:4,6 further (2) 76:10;184:13 Fusion (36) 6:5,6,8,9,11,16,23,24;7:3, 14;8:9,20;18:10;20:22;21:1,6; 23:3,10;24:17;25:2,8,14;26:4; 27:13,20;33:7,9;47:12,13,17; 52:4;101:16,22;102:1,13; 175:11 Fusion's (2) 6:4;33:2 fuzzy (1) 171:20 G gain (1) 158:2 gait (1)	8,12;125:10,24;126:24;152:3 Giant (3) 172:12,21;177:16 given (2) 24:14;106:9 gives (8) 16:17;92:9;107:25;110:8; 118:12;130:7,15;147:14 giving (2) 60:25;61:5 glad (1) 180:17 gladly (1) 183:22 glass-filled (1) 140:6 goes (5) 102:8;117:18;155:11; 161:4;174:11 Good (19) 5:14,15;15:21,23;28:2,4,16; 35:25;45:24;49:3;53:4;82:7; 111:12;117:1;118:15;130:12, 13;153:7;184:11 Google (6) 44:20;48:16,18;49:7,14,22 governing (1) 135:11 government (1)	H hair (1) 150:5 half (1) 151:24 halfway (1) 124:4 hallow (1) 74:2 hamster (1) 107:2 hamster-wheel (2) 107:1;161:7 hand (4) 46:1;102:9,9;169:19 Handbook (27) 85:5;109:13,18;110:8; 111:14;123:2,7,15,21;124:18, 23;125:2;127:20;128:10,19, 22,25;129:9,12,19,19,21; 130:7,16;164:10;166:5,6 handed (1) 125:24 handful (1) 173:15 handle (1) 69:6

handrails (3)	history (12)	67:1;68:20;69:1;71:1;80:4;	89:23;104:4;140:5;169:22;
67:11;69:6,13	44:21;95:21;96:13;134:15,	82:22;110:14;112:20;124:9;	170:3,21
hands (1)	19;161:4;162:4;167:24;	127:9;142:11;143:10;148:5;	included (2)
69:15	169:13,14,23;170:4	157:25	74:16;135:25
happened (4)	hit (2)	identifies (9)	includes (5)
18:11;46:9;169:18;170:4	171:11,15	71:23;76:7;93:16;124:4;	56:14;57:2;72:2;74:14;
happening (2)	hold (1)	125:9;126:17;127:5;140:1;	155:12
21:7;40:7	118:10	164:23	including (4)
hard (1)	holder (2)	identify (31)	66:18;88:11;102:1;150:20
47:17	180:14,16	19:16,25;20:19;62:8;65:24;	incorporate (2)
hard-copy (1)	holding (1)	66:6;67:7;69:2,21;88:9;91:9;	90:25;159:4
48:5	112:2	92:12;112:18;113:5,11,25;	increase (1)
hazard (1)	holds (1)	122:21;140:12;143:3,17;	23:21
68:8	107:21	144:1;147:1;148:15;149:16;	increased (1)
hazardous (1)	hole (2)	162:15;166:24;168:15,18;	149:18
117:14	179:14,16	170:20;180:10;183:17	increment (1)
hazy (1)	Holiday (1)	identifying (2)	8:22
172:8	19:14	45:11;179:12	independently (1)
head (10)	horse (2)	ie (1)	100:4
12:14;43:24;54:2;70:24;	50:16;106:25	88:12	INDEX (3)
79:21;113:16;114:15,25;	hour (6)	Illinois (5)	3:2,5,17
122:12;138:3	8:25;23:12;24:2;42:13;	6:10;172:23;178:13;179:3,	indicate (3)
header (2)	82:7;151:24	25	39:19;60:9;84:19
126:12;127:4	hourly (6)	illustration (1)	indicated (7)
heading (5)	23:1,3,15,18;24:14;25:6	130:4	13:1;42:20;48:16;70:13;
39:16;73:13;75:16;135:5;	hours (2)	imagine (1)	105:5,24;108:3
155:25	8:24;103:15	178:18	indicates (2)
headshaft (1)	human (11)	immobilization (2)	27:2;41:8
112:3	67:23,25;77:25;85:16;87:6;	56:9,13	indicator (1)
health (4) 15:8,12,25;16:23	88:12,19;89:13,15;91:10; 176:20	immovable (1) 69:16	115:4 indicia (3)
heard (5)	humans (5)	impact (6)	156:19;157:6,12
14:19;22:1;31:12,23;	87:5;89:15,18;92:2;108:18	92:25;97:16;114:4,9;147:7;	individual (1)
128:13	humidity (1)	150:1	88:10
heavily (1)	144:20	impacted (3)	individuals (1)
134:23	hundred (1)	97:16;130:20;131:14	7:21
heavy (5)	59:3	implicate (1)	industrial (1)
123:10;138:23;145:22;	hundreds (1)	89:23	177:16
146:17;172:17	59:5	implicated (3)	industry (1)
help (4)	hung (1)	40:12;90:23;160:15	93:9
105:13;180:17;182:12,21	178:19	implies (1)	inexperience (1)
helps (1)	hypothetical (7)	91:4	93:6
182:19	43:4;80:13,14;81:16;88:9;	importance (3)	inflatable (1)
herein (1)	93:16;110:14	42:19;55:19;80:6	174:10
5:9	_	important (12)	information (5)
hey (4)	I	10 16 05 41 04 40 6 50 0	11.0.111.7.157.04.05.
	1	19:16,25;41:24;42:6;79:8;	41:2;111:7;157:24,25;
118:7;145:4;153:5;156:24		80:4;96:23;105:6,8;109:23;	177:10
hiding (1)	ID (2)	80:4;96:23;105:6,8;109:23; 110:2;145:22	177:10 infringement (9)
hiding (1) 123:18	ID (2) 126:16;127:5	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1)	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13,
hiding (1) 123:18 high (3)	ID (2) 126:16;127:5 idea (16)	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23
hiding (1) 123:18 high (3) 37:13;78:2;107:22	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10,	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1)	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1)
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2)	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6;	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11;	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1)	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4)
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2)	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5)	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11 Inc (7)	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2)
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21 himself (2)	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5) 74:20;118:24;119:3;120:7;	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 imasfar-as (1) 162:11 Inc (7) 6:2;14:10;71:23,24;170:22;	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2) 10:21;169:21
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21 himself (2) 21:13;172:18	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5) 74:20;118:24;119:3;120:7; 167:12	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11 Inc (7) 6:2;14:10;71:23,24;170:22; 173:9,25	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2) 10:21;169:21 injured (3)
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21 himself (2) 21:13;172:18 hindsight (5)	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5) 74:20;118:24;119:3;120:7; 167:12 identical (3)	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11 Inc (7) 6:2;14:10;71:23,24;170:22; 173:9,25 inches (1)	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2) 10:21;169:21 injured (3) 87:3;172:18;178:25
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21 himself (2) 21:13;172:18 hindsight (5) 152:4,11,17,24,25	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5) 74:20;118:24;119:3;120:7; 167:12 identical (3) 80:7,7,10	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11 Inc (7) 6:2;14:10;71:23,24;170:22; 173:9,25 inches (1) 139:1	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2) 10:21;169:21 injured (3) 87:3;172:18;178:25 injury (2)
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21 himself (2) 21:13;172:18 hindsight (5) 152:4,11,17,24,25 hiring (1)	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5) 74:20;118:24;119:3;120:7; 167:12 identical (3) 80:7,7,10 identification (5)	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11 Inc (7) 6:2;14:10;71:23,24;170:22; 173:9,25 inches (1) 139:1 inclined (1)	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2) 10:21;169:21 injured (3) 87:3;172:18;178:25 injury (2) 173:11;178:15
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21 himself (2) 21:13;172:18 hindsight (5) 152:4,11,17,24,25 hiring (1) 132:5	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5) 74:20;118:24;119:3;120:7; 167:12 identical (3) 80:7,7,10 identification (5) 5:5;73:1,5;111:3;138:18	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11 Inc (7) 6:2;14:10;71:23,24;170:22; 173:9,25 inches (1) 139:1 inclined (1) 81:2	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2) 10:21;169:21 injured (3) 87:3;172:18;178:25 injury (2) 173:11;178:15 inkling (1)
hiding (1) 123:18 high (3) 37:13;78:2;107:22 higher (2) 92:6;115:25 highly (2) 107:19;132:21 himself (2) 21:13;172:18 hindsight (5) 152:4,11,17,24,25 hiring (1)	ID (2) 126:16;127:5 idea (16) 20:13;53:4,18;84:16;95:10, 12;99:5;105:4;107:17;119:6; 121:6,14;130:8;138:11; 161:22;162:1 ideas (5) 74:20;118:24;119:3;120:7; 167:12 identical (3) 80:7,7,10 identification (5)	80:4;96:23;105:6,8;109:23; 110:2;145:22 imported (1) 90:16 imposed (1) 97:3 inasfar-as (1) 162:11 Inc (7) 6:2;14:10;71:23,24;170:22; 173:9,25 inches (1) 139:1 inclined (1)	177:10 infringement (9) 10:8;21:7,21;22:2,7,11,13, 17,23 infringing (1) 10:18 initial (4) 12:25;14:2;58:20;182:25 initiated (2) 10:21;169:21 injured (3) 87:3;172:18;178:25 injury (2) 173:11;178:15

Woodway Coll, Inc.			Junuary > , = 0= 1
19:14	77:23;89:18;90:16;91:22;	174:9,18;175:1	key (1)
input (5)	97:23;101:4;114:4,9,19;	IPR2019-00514 (1)	56:14
60:25;61:1,5,11;167:6	137:25;148:22;151:20;	174:2	kick (2)
inquiry (1)	158:16,19;159:5;164:9,10;	IPR2023-00843 (2)	30:3,5
152:23	174:11;175:24;178:21,25;	35:9;37:4	kicked (1)
in-running (1)	179:7	IPRs (3)	30:20
87:1	introduce (1)	12:15;19:5;21:16	kind (17)
inside (1)	114:20	irregularly (1)	15:17;36:24;43:4;44:24;
130:17	introduction (3)	9:3	50:23;84:23;106:18;161:23;
installed (1)	114:3,8,19	ISO (12)	171:24;172:14,24;173:10;
155:8	invalidated (1)	54:4;62:8,13,22,24;63:1,4,	177:7;178:3,13;179:3,25
instance (5)	181:25	6,16,19;66:22;67:5	kinds (1)
13:14;24:7;27:9;30:10;	invalidity (3)	issuance (1)	17:13
121:6	34:15;125:10;126:25	21:19	knee (1)
instances (1)	invent (1)	issue (8)	89:20
173:17	93:4	80:18,23;97:13;125:19;	knees (1)
instead (5)	invention (18)	150:14;157:5;171:8;181:15	89:17
76:12;86:17;112:25;	90:9,11,21;91:8;138:19;	issued (4)	knew (2)
130:10;145:14	150:20;155:19;159:14,20;	8:7,20;40:1;168:24	14:14;22:13
instituted (2)	160:21;161:21,24;162:23;	issues (4)	knowing (3)
36:17;174:19	163:11;166:18;167:2,5,13	84:2,3;117:13;168:12	43:7;91:19;117:17
institution (5)	inventions (6)	issuing (3)	knowledge (17)
35:23;36:9,11,22;37:7	150:18;160:19;163:4;	26:15;27:12;37:15	15:7;20:5;22:10,12,16,22;
instructed (1)	166:21;167:19;176:24	T	34:12;77:8;92:22;94:1;
12:13	inventor (2)	J	117:15;125:3;128:3;129:1;
instruction (3)	168:21,24	• (1)	146:18;168:23;169:1
141:5,10;147:14	inventors (4)	jam (1)	known (2)
instructions (1) 118:13	92:18,25;146:10;157:5 investigation (3)	178:24 JANUARY (7)	26:17;174:1
insulated (1)	156:14;171:12;183:1	3:1;4:1;5:2;23:21,25;31:2;	knows (1) 110:18
144:17	invitation (1)	66:11	Kraslen (3)
insulative (9)	183:23	Japanese (1)	179:2,12,18
142:6,13;144:9,13,19;	invite (1)	70:22	KSR (2)
145:7;146:6;151:7,19	183:8	Jelenchick (16)	103:11,14
intended (5)	invited (1)	3:7;5:13;42:12,17;55:22;	Kushman (2)
12:2;17:22;87:5;127:25;	183:10	73:23;82:9,15;118:17,19;	24:25;25:3
163:25	invite-only (1)	151:25;152:2;184:8,15;185:4,	Kyle (1)
intending (1)	183:21	6	79:19
91:21	invoiced (1)	job (4)	
inter (4)	26:3	6:16;9:11;101:17;102:5	L
17:22;21:3;35:12;36:17	invoices (9)	join (2)	
interest (7)	7:24;8:4,5,7,11,19;26:6,8;	58:15;183:24	labeling (1)
9:9;18:10;21:6,16;53:3,6;	29:19	joint (1)	141:13
182:17	invokes (2)	89:20	ladder (4)
interested (5)	141:4,9	Jones (16)	172:1,5;173:1;180:7
52:25;107:25;108:18;	involved (31)	27:17,18,21,24;28:1,6,17;	lady (1)
132:5;157:18	10:14;18:1,15;24:20;29:5;	29:5,8,22;30:10,17,20;80:1;	178:4
interfere (1)	58:1;60:23;64:1,5,8,12,15;	95:17;105:13	language (3)
118:7	68:7;79:15,22,25;80:1;82:24;	Jones's (2)	96:24;97:3,6
interfering (1)	83:3;93:9;94:11;106:10,15;	28:23,25	languages (1)
118:9	142:22;169:2;170:6,13;174:8;	judge (1)	170:6
international (5)	175:1,5,18	39:25	laptop (3)
54:7;55:24;61:17;66:20,21	involvement (8)	justify (1)	47:13,15,21
international-type (1)	10:1,23;52:23;63:16;65:4,	125:6	laptop's (1)
45:8	10;70:2;173:5	K	47:17
interpretation (1)	involving (1) 131:10	N	large (19)
80:16 interpreted (1)	IPR (28)	keep (11)	58:2,25;59:14;86:4,6,8; 89:14;140:9;145:20,21;146:4;
97:12	6:1;12:9;13:2,24;18:2,6;	21:10,21;45:2;46:24;86:1;	89:14;140:9;145:20,21;146:4; 147:9;148:10,16,18,21;
interrupted (1)	21:25;29:6;35:4,16,21;36:21;	105:10;111:11;117:16;	149:21;150:22;151:18
112:6	37:21;45:12;89:22;90:23;	129:17;132:8;162:12	larger (8)
into (26)	120:16;121:9,21,25;131:10,	Kevin (2)	138:25;139:15,18,23;
7:1;12:6;36:25;68:11;	23;154:2;160:15;170:13;	27:17,18	145:15;149:4,8,16
,,12.0,50.25,00.11,	23,15 1.2,100.13,170.13,	27.17,10	1 10.110,1 17.1,0,10

last (24)	life (1)	177:5	
5:17;18:21;19:14;26:22;	11:11	LLC (3)	M
31:2;36:14;37:25;38:7;51:21;	LifeCORE (18)	170:22;177:5,6	IVI
52:19,20,22;66:15;71:5;	5:25;6:2;12:2;13:24;14:6,	load (2)	machine (6)
79:20;100:20,22;122:7;	10;17:21;22:1,7,10,24;34:10,	112:8;115:2	84:21;85:5;124:16;177:15;
132:13,13;141:3;166:14;	16;65:6;71:24;72:5;73:2;	loading (3)	178:20,25
171:4;180:23	163:4	89:19;114:24;172:16	Machinery (1)
late (1)	LifeCORE's (9)	loads (1)	177:6
13:17	39:7;45:12;73:14;74:22;	113:20	Macon (1)
lateral (1)	75:1,16;76:6,17,22	load-transferring (1)	179:25
112:25	light (1)	115:13	Magid (9)
Laura (1)	110:12	located (2)	119:8;121:5,8,20;154:13,
178:2	lighter (2)	6:8;16:25	24,25;155:1,3
law (5)	139:20;145:15	location (2)	magnetic (1)
12:11,20;19:12;31:14;	lightweight (1)	87:20,22	56:17
66:11	146:24	lock (1)	maintain (1)
lawsuit (3)	likely (6)	56:15	62:2
22:10,23;181:25	46:8;75:8;83:20;93:4;	log (1)	maintaining (1)
lays (1)	95:15;139:10	105:10	176:21
65:20	limbs (1)	long (11)	maintenance (1)
lead (2)	89:13	49:24;58:22;59:10;99:1,3; 100:16;158:8;161:3,10;	179:4
57:22;58:14 leading (2)	limit (1) 181:6	172:10;180:18	major (1)
58:6;78:24	limitation (3)	long-felt (3)	113:22
learn (1)	90:16;156:3;161:15	159:19;160:20;168:7	majority (3)
17:21	limitations (5)	look (31)	7:8;180:22,25
least (16)	89:23;90:24;91:1;153:21,	8:2;45:17;49:15;55:17;	makes (3)
7:25;14:6;36:14;49:18;	24	56:1;65:14;66:3;71:3;72:21;	90:4;146:21;153:6
52:23;66:2;72:6;84:20;	limited (1)	73:12;75:13;76:6;96:12;	making (9) 28:22;104:19,21;117:23;
106:15;116:8;134:20;137:14;	97:22	107:17,20;110:19;116:20;	136:7;142:22;145:25;146:16;
151:21;164:21;176:7;182:18	limiting (1)	118:8;119:10;124:3;126:1,21;	179:1
leave (6)	116:21	127:4;134:3;135:23;138:15;	man (2)
52:3,6,10;61:25;62:21;	line (6)	153:18;167:12;170:16;	171:10,25
163:6	138:16,16;140:2;147:21;	182:12,25	manage (1)
left (3)	151:4;155:6	looked (10)	150:25
113:20;155:9;175:12	lines (6)	20:7;38:1,4;44:8;45:21;	management (1)
leg (1)	61:6;78:1;148:15;149:20;	50:9;52:24;134:2,24;168:6	150:17
179:7	153:3;176:10	looking (23)	managing (4)
legal (3)	lingo (1)	44:6;48:24;49:1,2;60:14;	141:17;144:2;145:2;151:15
103:8,17;167:7	36:2	72:19;96:11;101:10;105:23;	manner (1)
legs (2)	list (12)	107:4,5;116:7;117:24;123:18,	148:12
153:7;178:5	26:20;71:5,10,13,21;107:6;	25;126:22;146:15;147:18;	manual (2)
lens (1) 167:12	123:18;170:20,21;171:3; 173:16;180:10	151:17;152:8,15;157:13; 160:24	137:10;164:2
less (3)	listed (3)	looks (3)	manufacture (2)
20:17;149:9;150:3	71:4;165:3,4	73:11;124:10;126:8	140:8;173:23
letter (6)	litigation (54)	loose (1)	manufacturer (1)
24:18,20;32:22,25;33:8;	10:2,6,17,22,24;12:5,10;	7:20	173:20 manufacturers (1)
34:4	18:25;20:24;21:17,22;31:25;	loss (1)	68:9
letters (2)	40:6;45:5;50:6;51:20;52:12,	178:5	manufacturing (3)
33:3;34:1	19;53:2,10,14;70:8,10;72:4;	lot (9)	138:24;173:25;174:5
level (1)	77:11,18;78:6,16;80:19,24;	59:17;74:11;106:6;110:10;	many (16)
78:2	81:8;104:9,14;106:5,10,14,	118:9;126:3;131:25;154:3;	7:3,6,14;8:19;26:3;36:13;
liability (1)	15;109:7;121:22;122:4;	176:14	38:4;46:21,25;49:13;85:21;
178:8	125:6;130:23,24;131:8,13;	lots (2)	99:19;108:25;118:9;171:2;
licensees (1)	132:4,13;163:8;175:4;180:20,	7:13;116:17	182:13
167:25	23,25;182:14,15	lower (5)	March (5)
licenses (1)	little (14)	89:13;141:15;149:9,10,23	83:14,18;93:22;94:25;95:6
166:12	7:20;48:22;57:6;59:16;	low-friction (1)	marked (2)
licensing (1)	76:25;86:3;101:2;104:18;	117:14	124:6;125:13
167:24	111:6;132:24;153:8;171:19;	Lunch (4)	market (3)
licensure (2)	172:8;175:15	82:11,16,21;132:20	58:19;64:21;84:15
184:5,7	Littleford (1)		marketing (3)

6:23,24;102:2	6:17,20;28:11,14;67:18,22;	32:15	motivations (4)
Markets (1)	78:11;85:2;86:5,8;87:14;89:9,	missed (2)	152:12,15;153:10;154:7
178:2	10;93:17;107:24;109:14,23,	98:6,10	motor (6)
master's (1)	25;110:2,15;111:2;117:6;	Missouri (1)	16:10,18,21,22;112:24;
89:16	123:3;164:8;171:21;183:4,6	178:3	137:14
match (2)	mechanisms (5)	misspoke (2)	motorcycle (3)
126:23;154:22	108:19;111:5;116:14;	71:9;76:14	171:11,14,15
material (5)	123:1;128:8	misstates (1)	motorized (4)
103:3;138:24;139:19;	meet (2)	133:14	17:16;83:7;137:13,15
140:11;151:11	141:11;153:23	mistaken (1)	mounted (1)
materials (8)	meetings (2)	134:18	112:3
6:25;53:1,9,13;72:20;	58:15;61:2	misunderstood (1)	move (4)
140:4;142:17;151:7	meets (1)	7:16	16:7;85:3,24;118:6
matter (37)	161:15	mitigate (1)	moveable (1)
9:10;14:2;18:22;19:2;	member (3)	69:9	69:17
21:21;23:2,11;24:13,18;	57:21;58:10,23	mix (1)	movement (12)
25:15;26:4,19;34:4;35:2;	members (2)	101:2	55:20;61:19;65:25;76:9,10,
43:20;45:11;46:20;47:2,9,23;	59:3:79:2	mixer (1)	12,12;77:25;87:11,17;88:1;
48:6,10;52:23;53:22;70:6;	memorializing (1)	177:17	155:8
80:11;94:10;104:18;111:9;	99:12	Mm-hmm (2)	moving (11)
124:15;131:17;144:1;147:3;	memory (2)	48:17;143:20	56:22;61:23,25;62:3,19,21;
171:10,19;182:10,24	77:19;134:18	modern (1)	85:4,25;115:2;116:4;129:17
matters (7)	mention (2)	107:2	much (13)
21:8;24:20;28:4;29:1;33:6;	90:1;144:9	modes (1)	20:11;26:3;31:4;43:3;
180:24;181:5	mentioned (8)	164:12	98:21;99:7,10;100:6,12;
mattress (3)	22:3;34:13;38:24;132:9,10;	molded (2)	101:9;102:16;103:13;129:5
174:10;175:23;176:22	145:19;154:10;164:19	140:3,5	multiple (1)
mattresses (1)	merits (3)	money (1)	81:1
175:24	11:19;12:1;159:14	159:18	Musso (1)
may (23)	metal (5)	monitoring (2)	178:2
21:7;22:13;23:14;24:6;	139:13,15;145:4;146:1;	20:23;21:2	must (6)
37:16;45:20;49:4;69:10;	147:3	month (6)	39:22;65:24;88:10;97:3;
75:23;77:1;90:14;98:9,22;	metallurgy (1)	20:15;37:25;38:7;66:8;	120:25;183:12
99:3;115:19;116:8,11;118:5;	28:11	180:21,21	myself (1)
124:6;127:6;141:15;142:8;	method (3)	monthly (1)	181:7
		8:18	
151:10	56:13;62:5;127:23		Mystic (1)
maybe (9)	methods (1)	months (4)	151:9
32:15;49:20;88:25,25;89:2;	58:4	20:15,16,16,18	
93:7;106:16;119:7;151:10	Michigan (1)	more (38)	N
mean (30)	177:7	10:3;17:6,20;18:2,6,12;	
10:5;11:9,21;16:4;32:4;	middle (3)	20:5;37:12;46:7;48:22;49:17,	name (11)
36:5;37:18;38:22;47:24;	92:7;116:1;173:9	19;58:15;59:9;74:11,15,22;	9:14,16;14:21;16:23;20:20;
50:19;54:14;57:8;60:1;72:10;	might (22)	79:4,5;90:15;100:21;102:23;	50:14;64:24;79:20;102:6;
81:3;95:23;125:21;128:11,16;	9:15;14:13;25:8,9;30:13;	104:18;110:10;117:3;123:1,2;	106:16;177:16
131:3;133:25;136:9;139:4,10;	43:2;49:2;50:25;51:6;70:23;	128:25;129:4,5;130:7;139:18;	named (5)
157:16;159:15,21;161:19;	84:3;86:3,16,18;96:7;98:5;	148:22;149:5;167:6;168:10,	29:9;92:18,24;168:21,24
162:23;163:10	105:24;119:19;142:9;144:21;	11;171:4	Namola (1)
			, ,
meaning (9)	156:12;181:14	morning (6)	171:8
44:12;74:1,6,9,14,18,23;	Miller (1)	5:14,15;34:13;40:6;82:21;	Naperville (1)
77:2;96:25	177:6	101:25	6:9
means (15)	mind (3)	most (9)	National (11)
16:5;30:14;60:16;63:13;	12:7,18;69:24	67:16;83:20,22,24;87:4;	45:2,9;50:5,10,21;51:3,8;
76:8;102:6;110:18;133:5;	minimal (1)	95:15;113:2;169:20;170:10	173:25;174:4;183:9,25
134:4;155:7,11,12;158:21;	76:9	Mostly (4)	nature (9)
161:22;165:12	minimized (1)	11:2;77:7;86:25;101:5	56:3;67:13;85:7;90:5;
meant (5)	119:19	motion (9)	115:13;175:13;177:11;
7:17;35:7;71:14;131:3;	minute (1)	74:3,4;85:16;86:2;88:19;	178:16;179:8
135:7	170:17	116:21;150:6,9;181:6	near (1)
			, ,
measured (1)	minutes (1)	motivated (2)	161:25
99:18	170:17	132:8;145:11	nearly (1)
mechanic (1)	mirrored (1)	motivation (6)	133:7
	mm rorcu (1)		
93:8	47:21	90:18;91:7;117:8;131:24;	necessarily (6)
	47:21	90:18;91:7;117:8;131:24;	necessarily (6)
93:8 mechanical (27)			

131:3;161:1 necessary (2) 98:1;176:17 need (13) 68:17;85:12,14;147:15; 150:6,24;152:14,14;153:18; 159:20;160:21;168:8;178:22 needed (4)	86:5 November (1) 6:13 number (20) 54:1,18;61:2;64:15;66:16; 90:3;91:13;93:10;101:15; 102:14;108:2;118:3;119:17; 126:14,17;127:5;158:20;	42:9;73:20;75:19;76:16; 96:21;131:15;133:11;134:7, 12;135:15;136:1;173:12,17; 174:13;178:10;179:17,21; 180:11 office (45) 9:8;11:1,18,25;12:1,13; 17:25;18:10;19:6;20:10;21:3;	31:7,11;57:1;63:17;85:23; 91:3;98:24;100:8;102:11; 112:1;114:24;116:4;118:6; 122:19;136:21;145:20;146:7 154:13,21;155:8;183:17 onto (2) 47:21;172:17 open (1)
131:4;158:17;159:3,4 needs (3) 42:2;74:12;85:8	167:11;174:1;180:23	22:22;23:15;24:18;25:12,23; 29:11;31:5;32:3;34:10;35:20; 37:17;44:14,20;45:15,23;	12:6 opening (7) 51:23;52:11,18;77:10;
negative (2)		46:2,14;48:1,20;49:25;51:1;	125:9,21;126:24
147:6,7	o0o (4)	70:14;79:2;96:5,11;118:24;	operating (1)
network (1)	4:5;5:3;82:12,14	120:3;127:13;157:3;166:4;	30:2
47:17	object (2)	169:4,21;171:6;181:4	operation (10)
networked (1) 47:20	85:24,25 Objection (28)	often (1) 119:19	56:14;57:7;60:6;87:16; 114:5,10;146:12;151:5;
neuropathy (1)	Objection (28) 15:13,15;19:20;21:9;22:18;	Oklahoma (1)	164:12;175:16
178:5	25:20;30:12;31:20;33:10;	172:13	operational (2)
new (5)	34:17,18;47:18;52:8;53:15;	old (4)	162:8,14
20:23;21:2;23:23;24:20;	92:3;98:4;115:23;122:5;	50:7;51:6;52:15;171:19	operationally (1)
74:25	125:1;132:19;133:13,14;	once (7)	16:11
next (8)	146:13,14;158:15;163:5,6;	9:4;15:20,23;102:15;	operator (1)
18:11;45:1;63:10;95:4;	183:19	106:20;121:10;169:4	16:6
125:8;133:25;156:17;165:9 Nexus (6)	objective (2) 156:11;168:15	one (92) 12:17;13:9,11;14:12;16:19;	opined (2) 53:5;80:17
151:9;166:17,20;167:1,4,17	objects (1)	17:7;18:2,6;24:21,22;27:19,	opining (1)
Nice (4)	85:24	21;34:6,6;35:8;36:14,15;37:9;	174:7
5:16;97:25;107:25;132:20	obligations (1)	38:6,12;40:21;43:15;45:1;	opinion (13)
night (1)	65:2	49:17;50:2,9;52:9,9;55:23;	18:5;19:11;67:14;71:2;
19:14	observer (1)	56:2;59:23;60:1;61:2;62:10,	74:24;92:25;120:8;123:22;
nip (1)	160:24	10,11;66:1,4;67:4,5;68:19;	145:8;157:2;171:17;182:19,
87:1	obvious (3)	69:16;70:7,23;73:16;79:4,5;	19
nobody (1) 31:17	113:2;137:9;176:25 obviously (1)	83:6,9;84:20;87:13;92:6; 99:23;100:5;104:4,6;107:2,	opinions (65) 21:20;26:16;27:12;29:23;
noisy (1)	72:10	14;112:1,24;116:4;122:23;	39:8;41:25;42:9,21,24;43:2,
118:3	obviousness (5)	126:8,9;129:10,17;130:12,13,	15,18;44:10;47:2;51:19;
nomenclature (1)	136:7,8,11;152:21,23	14,14;135:20;137:13;139:12,	52:21;71:12,19;72:7,11,16;
61:7	occasion (4)	25;146:9;148:17;150:20;	73:20;75:4,8,19,23;76:16;
None (3)	60:22;70:5,10;77:12	151:20;160:11;172:8;175:18,	79:9;80:6;81:3;92:12,19;
55:8;68:25;165:20	occasions (3)	19;176:10,14;178:21;179:7;	96:21;99:12;109:8;118:22;
nonlitigation (1) 180:24	49:13;164:22;182:13 occur (1)	180:5,5;181:5,15;184:3,15 O'Neil (1)	119:11;124:11,21;125:17; 126:5;127:12;130:20,21,22;
nonmotorized (16)	114:25	179:2	131:10,12,14,16,21;132:15;
16:1,3,5,9,19;17:3,12;83:7,	occurred (2)	ones (11)	133:11;134:7,12,16,25;
9,17;84:5,11;112:19;113:7,	24:14;83:12	51:13;54:25;103:21;107:1;	135:15;136:2;157:21;161:18
13;116:12	off (23)	120:9;137:13;139:13,14,16;	181:3,8,12,13,16
non-obviousness (7)	12:14;13:8;16:18;43:23;	145:5;164:11	opportunities (1)
156:6;157:6,12;158:13; 159:1,10;167:18	54:2;70:24;71:12,16,19; 79:20;117:13,16;122:11;	one's (1) 111:19	183:21
Nope (1)	136:19;137:14;138:3;150:7;	one-way (18)	opportunity (6) 52:4;72:14;82:17,19;97:23;
15:4	160:11;171:25;172:15;173:1;	104:21;110:6,24;111:10,12;	117:19
Norfolk (1)	183:11;184:12	124:15;129:12,13,16;130:8;	opposed (2)
179:24	offer (14)	154:15;164:2,9,15,23;165:8;	123:2;155:18
normal (1)	18:5;25:17;28:20;41:25;	170:9,11	optimal (2)
87:16	78:7;94:17;111:1;119:11;	one-week (1)	91:23,24
normally (1) 138:25	145:9;157:5;171:17;172:19;	104:2	option (3) 16:17,21;117:1
Northern (2)	173:2;174:3 offered (12)	one-year (2) 95:10,14	options (4)
172:13;178:13	43:19;47:2;51:19;72:16;	ongoing (1)	116:21;118:4,4,6
notebook (2)	81:3;92:19;124:12,22;126:5;	58:8	order (4)
55:18;72:22	132:14;176:23;180:13	only (25)	39:20;97:2;100:10;178:23
notwithstanding (1)	offering (18)	7:8;14:20;17:14;22:12;	ordinary (31)
	1		1

-			
74:1,6,9,10,13,18,23;77:1,2,	38:25;39:3,12;54:21;63:11,	59:9;183:10	153:18,21;160:14,19;165:19,
3,13,16;78:5,20;79:3,18;80:8,	11;66:13;71:5,21;72:9;73:12;	particular (32)	21;166:12;168:25;169:18;
12;81:14;84:19;93:5;116:9;	74:7;75:13;76:3;111:20,21;	9:7;27:7;60:24;61:12;62:8,	181:19
123:5;128:4,6;129:7;133:1;	116:7,16,19;124:1,2,3;	17;63:16,24;64:3;65:18;69:2;	patent's (1)
139:8;145:10;176:3,8	126:22;127:9;134:3;135:4,6,	82:25;83:5;84:5,10;94:12;	94:12
		98:20;109:17;111:2;114:5,10;	patentsgooglecom (2)
organic (1)	7;136:13;141:3;143:15;		
102:23	152:20,21;153:4;156:17;	116:10;117:9;121:25;134:6,	48:21,25
Organization (1)	159:22,23;165:2,9;169:11,11,	11;135:12;136:25;137:21;	path (1)
66:21	12;170:19	150:13;155:20;164:5	114:17
organizations (1)	pages (15)	Particularly (2)	pawl (4)
183:16	108:25;109:2;116:8,22,23;	106:9;164:1	154:16;155:5,15,19
original (3)	117:5;118:11,14;123:19;	parties (6)	pay (1)
12:22;61:13;177:23	125:13;126:3;133:7;152:25;	10:14;57:8;73:8;166:11;	37:14
others (5)	164:7,19	171:16;172:3	paying (1)
14:7;99:23;161:20;162:23;	paid (1)	parts (5)	37:11
168:8	26:8	78:13;87:2;153:13,14;	PE (4)
otherwise (3)	painter (1)	163:13	3:1;4:1;5:8;183:9
42:3;60:22;157:11	172:25	party (1)	penalty (1)
out (35)	pair (1)	171:16	27:3
8:18;9:9;12:18;13:23;24:2;	155:13	pass (2)	people (16)
27:9;30:3,5,15,20;31:22;33:9;	pallet (1)	19:13;52:5	7:1,10,19;57:10;59:5,8,8,
34:2,4;56:18;63:13;65:20;	172:17	passed (1)	17;117:12,13,18;152:12;
67:21;84:2;86:17,19;89:19;	pandemic (1)	169:8	160:1;161:22;162:25;183:10
102:6;124:18;129:5;137:4,7;	6:14	past (8)	per (3)
138:12;145:5;146:1,4;153:5;	panel (1)	10:24;11:22;14:20;29:3;	23:12;24:2;161:17
164:1;185:3,5	141:14	82:22;130:22;131:21;171:2	percent (5)
outcome (1)	paper (1)	Pat (2)	30:1;46:9;53:17;106:13;
181:23	30:11	125:10,11	176:22
outer (1)	papers (1)	Patent (139)	percentage (2)
112:4	102:7	19:6,13;20:24;21:3,7;22:2,	101:18;180:19
outlined (1)	Paragraph (33)	7,11,23;28:4;29:1,9,11;35:24;	performance (2)
152:18	23:8,16,17;39:19;40:17;	37:4,8;38:12;39:2,21;40:11;	148:17;149:25
outset (1)	41:8,20;60:8;63:10;66:6,12,	44:20,22;45:14,17,21,22,25;	performing (1)
184:16	16;78:7;84:17;94:21;112:9;	46:3,11,13,18,22;47:1,5,25;	76:1
outside (4)	120:15;135:6;143:14,23;	48:1,20,23;50:8,13;51:1;	perhaps (1)
35:3;97:1;101:22;132:8	144:6,23;145:4;148:13;149:4,	70:21;71:7,7;73:21;75:20;	119:23
outstanding (3)	15;156:4,10;158:1;159:23,25;	80:18,22;81:4,7,11,12,15,20,	per-hour (1)
26:15,20,21	166:14;183:2	21;89:22;90:2,9,13,24,25;	24:4
outward (2)	paragraphs (7)	92:10;93:25;94:4,7,8,25;	perjury (1)
88:16,16	39:13;42:22;43:11;55:1,6;	95:22;96:5,6,11,12,16,22;	27:3
over (14)	135:10;143:24	97:14;98:18,23;99:23;100:15;	permit (2)
8:16,16;13:10;38:7;42:13;	parallel (3)	106:10,25;110:3;119:11,14;	148:19;155:8
53:5;59:1,14;60:4;82:16;	40:6;101:1;175:3	122:15,15,16;123:16,19;	permits (2)
98:24;114:15;115:14;142:8	parameters (3)	124:1;127:13,14,15;130:20;	111:25;149:22
overall (1)	61:2,4;65:21	131:11,14,15,22;133:8,24;	person (39)
, ,			
180:25	parentheses (2)	134:15;135:12,16,21,22;	68:1;74:9;77:1,3,13,16;
overlap (1)	63:7,8	136:22;137:1;146:9;150:24;	78:4,20;79:3,18;80:8,12,13,
86:25	parrots (1)	151:14;156:13;157:3,4;160:5,	14,16;81:14,14,16;84:19;
overlapping (2)	165:25	8;166:4;168:22;169:3,4,4,8,9,	86:1;91:17;93:16;110:14;
37:5;86:22	part (35)	13,14,23;170:1,2,4,14;171:9,	115:16;116:9;123:5;128:3,6;
overrunning (1)	10:10;11:11;20:22;21:1;	22;173:6;174:14;180:14,16;	129:7;133:1,4;139:8;145:9;
	40:21;44:13;45:10;54:18;		
112:10		181:4,24;184:23,23	153:8,11,14;174:6;176:3,8
overview (4)	55:5;58:3,18;72:10;73:16;	patentability (3)	personal (1)
109:22;110:9;123:3;129:1	74:2;81:8;88:8;89:14;91:6;	119:13;137:1;156:12	89:4
own (4)	96:8;102:4,6;106:11;123:21;	patents (49)	personally (4)
14:24;15:2;37:19;51:17	124:11,18;138:17;141:5,10;	10:19;11:20;17:23;18:7;	18:1;21:6;24:24;92:22
owned (1)	142:4;149:20;159:24;162:22;	29:3,4;31:19,24;37:9;38:13;	perspective (8)
15:5	163:7;168:7;181:25	40:3,12;44:20,24;47:1;49:14,	28:5;29:13;32:9;42:2;90:6;
	partes (4)	22;70:19,25;71:1,19;75:15;	119:22;146:16;153:2
P	17:22;21:3;35:12;36:17	80:23;81:1;90:22;92:1,18;	persuasive (2)
	Partially (1)	95:19;96:16;99:3;104:4;	167:22;168:13
Page (52)	11:9	106:14,23;109:14;115:22;	petition (6)
3:3,5,7,9,11,13,15,17;26:22;	participate (2)	124:24;125:19;126:7;152:5;	35:12;37:20,24;38:2,11;
3.3,5,1,7,11,13,13,17,40.22,	participace (2)	127.27,123.19,120.7,132.3,	33.12,37.20,24,30.2,11,

94:23	platforms (3)	69:17	previously (7)
petitioner (2)	68:2;69:6,12	power (21)	25:3;34:5;49:4;53:5;61:17;
174:15;184:24	play (2)	11:4;40:21;73:16;74:3,4;	80:17;158:10
petitions (2)	25:11;91:22	75:7;84:21,24;85:1,5;109:12,	Primarily (1)
18:3,7	playground (3)	18;110:7;111:14;112:6;	28:10
PhD (6)	58:13;59:12,25	125:4;127:20;183:4,6,7,24	primary (2)
3:1;4:1;5:8;89:7,8,10	plus (1)	pps (1)	119:24;150:21
phone (4)	148:22	124:6	printed (2)
12:24;14:2;18:12;119:5	pm (1)	predominant (1)	30:15;51:4
photographs (1)	185:7	84:3	printing (2)
108:22	point (16)	preexisting (1)	124:18;165:5
phrase (4)	23:16;34:22;64:7,11;79:25;	123:12	prior (90)
16:3;38:19;76:4,8	82:22;92:16;96:3,18;106:19;	prefer (1)	10:17;11:2,6;12:15;18:15,
physical (3)	107:9;119:5;121:14;149:12;	12:15	16,17,23;19:6,17;20:1,7,11;
89:1,5;108:23	155:3;182:20	preferably (1)	24:23;44:15,18;45:11,21;
pick (1) 184:9	pointed (1) 157:19	140:3 Preferred (2)	47:22;48:22;49:3,15;50:1;
picked (1)	points (4)	156:1,2	51:2;52:18;53:24;55:5;63:14, 14;70:6,9,15,16,20;78:16;
154:21	69:14;87:1,1,2	prefers (1)	96:10;97:12,23;98:11;99:4;
picking (2)	polycarbonate (1)	19:6	100:2;101:3,10,13;102:11,17;
153:22;154:9	140:7	preliminary (3)	103:1,7;104:5,8,11,12,25;
picture (7)	polyester (1)	9:23;13:9;25:17	105:14,17;106:3,13;107:10;
116:25;129:23,24,25;130:1,	140:7	premarked (2)	116:17;117:12,23;118:20;
11,11	polypropylene (1)	4:3;5:5	119:20;120:4,7;121:8,20;
pictures (6)	140:6	premises (1)	122:13;130:19,24;131:12,19;
112:11;116:23;128:25;	polystyrene (1)	178:8	133:9,14,16,18,20;134:25;
129:21,22;154:16	140:6	preparation (4)	135:1,13,19;136:6;152:7,7,9;
piece (4)	polyurethane (1)	8:11;34:15;39:8;103:18	153:2,16,23;165:18;168:11
62:18;74:2;115:12;153:2	140:7	prepared (2)	priority (9)
pieces (7)	population (1)	63:4,6	93:24;94:3,7,12,15;95:7,17;
14:12;49:3;64:16,21;	91:20	prepares (1)	104:23;161:3
117:22;118:7;120:7	portion (6)	8:15	privileged (3)
pin (1)	138:19;140:18;142:2;	preparing (2)	19:21;34:19;158:16
184:9	143:7;144:7;145:20	35:11;134:15	privy (1)
pinch (1)	portions (3)	Prescott (1)	53:16
86:25	61:8;115:20;171:15	177:5	pro (1)
pined (1)	POSA (26)	present (1)	181:1
160:1	21:14;32:10;52:16;74:22;	140:15	probability (1)
pit (1)	84:20;85:8,12;88:9;91:10;	presented (1)	37:13
179:7	92:24;93:15,21;94:1;107:24;	120:13	probable (1)
place (9)	110:11,13,18,21,23;116:19;	presses (1)	24:16
32:22,25;61:24;62:20;	125:3,7;127:22;137:9;139:22;	165:6	probably (33)
64:15;86:1;151:20;175:18,19	144:7 POSA ~ (1)	pressure (5)	13:17,17;14:7;36:23;38:6,
placed (1) 104:18	POSAs (1) 152:12	173:21;174:11;175:17,19, 22	14;41:4;47:6,20;49:9,10;50:2; 51:9,12;52:22;57:12;59:7;
plain (12)	POSA's (1)	pressure-cooker (1)	62:12;67:4,18;97:24;99:15;
44:11;74:1,6,8,13,18,23;	148:8	173:11	101:11;102:18;103:15;
77:2;86:20;96:25;130:1;	positions (3)	pressures (1)	106:21;119:6,7,8;127:16;
167:8	39:7;125:6;183:14	176:1	136:19;172:11;180:22
plaintiff (2)	possibilities (1)	pretty (6)	problem (5)
172:8;181:8	98:14	10:2,25;64:18;74:21;	68:9;143:9;145:1,13;184:7
plane (2)	possibility (4)	107:19;154:20	problems (4)
86:17,18	18:6;43:1;98:13;117:22	prevent (7)	140:14,20;146:10;147:2
plastic (25)	possible (2)	41:22;56:13;76:4,15;112:7;	procedure (1)
137:4,7,24,25;138:12;	147:9;171:15	142:25;151:4	30:3
139:11,14,19;140:3,10;142:5,	postural (1)	preventing (5)	proceeded (1)
7,25;143:4,18;144:8,12,16,18;	67:23	76:9;143:5;144:2;146:11;	44:17
145:6;146:4,8,24;150:21;	potential (17)	152:3	proceeding (12)
151:7	11:19;12:1;13:15;14:17;	prevents (1)	21:3;35:13;40:1;89:23;
plastics (4)	19:17;20:1,20;21:25;22:17;	44:5	100:7,12;106:11;120:16;
140:13;142:10,12,22	24:7;27:10;31:18;34:19;	previous (6)	121:21;131:10;175:1;184:22
platform (1)	129:10;145:1;182:5,15	32:19;70:8;79:9;80:5;	proceedings (12)
69:8	potentially (1)	127:11;131:8	12:9;29:6,9;35:17;36:17;

37:6;40:12;90:23;131:23;	12,19,19,21;130:7,16;164:10;	qualifications (1)	22,25;53:5;70:5;95:21;114:6;
160:15;184:18,22	166:5,6	176:7	122:7;127:15;131:16,18;
process (2)	PTO (4)	qualified (2)	148:24;152:6
44:25;104:15	45:20;47:5;48:14;169:18	11:14;176:7	reading (10)
Procopio (3)	public (1)	qualifies (2)	29:12;37:12;70:4;89:25;
31:12,15,18	66:10	132:25;133:3	96:7,20;103:10;116:20;
product (4)	publication (4)		155:14;167:8
		qualify (1)	
84:14;159:14,17;173:16	61:13;62:16;66:8;104:22	21:14	really (8)
products (7)	publications (1)	quick (1)	13:7;14:3;18:13;36:25;
57:22,24;58:2,23;59:24;	7:1	66:3	37:11;38:9;97:15;177:13
142:18;173:9	publicly (1)	quickly (1)	rear (5)
professional (3)	157:11	118:10	115:8,18,18;146:25;154:19
11:5;63:15;70:1	published (5)	quote (3)	reason (7)
proffered (3)	30:4;60:10;62:9,23;66:7	40:20,22;148:14	112:6;122:8,19;134:16;
77:12;78:4;110:22	Pulford (3)		146:7;150:21;170:7
projects (1)	178:12;179:20,22	R	reasonable (1)
63:18	pull (1)		139:6
	139:13	(1)	
proper (2)		race (1)	reasons (2)
41:24;42:19	pulled (3)	112:4	94:22;119:25
properly (1)	68:11;172:16;178:24	Rachel (1)	Rebecca (2)
39:20	pulley (15)	9:15	9:17;79:24
properties (2)	115:18,18;138:11;145:15,	radii (1)	rebuttal (1)
151:19,19	21,25;146:1,20;147:17,17;	92:13	127:17
property (1)	149:5,7,22;151:6,18	radius (1)	recall (97)
91:16	pulleys (41)	92:9	9:19;10:1,17;14:1,4;24:19,
proportion (2)	86:14;110:4,23;113:16;	radiuses (1)	21;25:16,21,22;28:22;30:9,
88:12;91:11	114:16;115:8;137:3,5,7;	92:13	16,19;31:6;33:1;34:3,8;35:14;
proportions (1)	138:20,25;139:11,18;140:2,5,	rail (2)	36:10,15,21;37:7;44:6;45:18;
91:22	8;143:5,19;146:4,8,24;147:2,	170:10,12	46:10;48:13;49:21,24;50:13;
proposals (1)	3,5,9,11,13,15,25;148:4,6,11,	railcar (3)	53:24;60:25;61:4;64:6;66:2;
181:8	16,18,21;149:17,17,24;	180:3,4,8	70:15,24;71:18;72:18;76:1;
proposed (21)	150:21,22;154:19	railroad (2)	77:15;78:17;79:6,22,24;81:7;
10:25;40:18;41:9,21;42:9;	pullout (1)	180:2,11	83:1,2,11;84:9,12;90:1;92:4;
73:14;75:1,16;76:7,17,22;	56:15	rails (1)	94:5,9,19;96:2,3,7,19;100:18;
77:15;80:7;84:18;88:8;91:9;	pulls (1)	162:12	103:10,17,20;104:8;105:9;
92:23;93:15;110:13;133:1;	56:18	Railway (1)	106:12;119:16;120:2,5,24;
150:18	Purdue (1)	179:24	123:17;124:14;125:22;136:3;
proposing (2)	132:22	raise (3)	137:23;138:3;140:15,23;
	purported (5)		
60:5;123:6		12:2;141:15;156:18	141:18;142:1;143:7,12;144:4;
proprietary (1)	67:8;113:5,11;135:11;	Raising (1)	150:19;156:22;160:4;162:21;
177:9	140:19	153:7	169:24;172:6;173:4;174:5,24;
prosecution (4)	purpose (1)	ran (1)	175:13;176:2,23;181:14
98:22;156:19;157:7;169:3	87:21	14:4	receiving (1)
prosthetic (1)	purposes (16)	random (1)	30:16
89:17	19:18;20:2;37:2;43:18;	116:14	Recess (3)
provide (9)	45:12;55:12;73:20;77:17;	ratchet (6)	42:16;118:18;152:1
32:7;69:5;99:13;118:9;	84:25;96:17;108:21;109:16;	154:14,15;155:5,13,15,19	recited (2)
123:13;147:10;148:17;157:1;	118:21;120:17;133:11,24	rate (10)	40:19;41:11
172:2	pursued (1)	23:1,3,12,15,18,21,23;24:4,	recognize (3)
provided (18)	21:18		14:21;126:4;129:8
		15;25:6	
43:11;51:15;60:15;61:11;	push (1)	rationale (2)	recognized (3)
70:15,18;72:21;73:7;75:11;	7:1	119:24;139:13	183:3,5,12
95:4;103:25;104:2;155:21;	put (9)	rationales (1)	recollection (16)
156:23;161:20;169:13;171:5;	54:2;115:1;118:13;137:25;	152:18	23:13;24:5;27:8,16;29:18;
175:22	152:10;153:19;158:3;163:14;	Ray (1)	37:22;45:6;46:8;61:10;72:3;
provides (8)	184:9	177:6	79:10;83:10;106:1;135:24;
16:6;110:10;111:4,6,16;	putting (4)	Re (2)	151:21;180:6
141:12;147:13;149:21	58:21;78:12;128:14;168:4	125:10;126:24	recommended (2)
providing (2)		reached (5)	147:8,11
35:15;123:11	Q	9:9;13:22;27:9;31:22;	record (2)
PT (21)	Y	121:13	8:23;184:12
	01 (3)		
123:2,7,14,21;124:18,23;	Q1 (3)	read (18)	recruiting (2)
125:2;128:10,19,22,25;129:9,	31:8,11;100:24	35:19;36:3,23;39:2,3;46:17,	6:24;102:2

rectangle (1)	50:5;75:19;85:17;136:25;	106:3	4:4
165:16	155:21;180:20	report (17)	retainer (1)
redirect (2)	relating (10)	7:14;27:24;28:19;35:20;	25:15
184:14,14	31:19;53:9,13;59:11,19,22;	38:24;40:15;51:23;52:11,19;	retention (1)
redline (1)	96:6;133:11;157:24;182:14	77:11;124:19;125:9,21,22;	11:13
30:16	relation (1)	126:24;131:20;182:21	review (31)
reduces (1)	171:14	Reporter (9)	17:22;21:3;27:13;28:5,18,
153:6	relative (10)	15:22;55:21;56:10;63:5;	23;30:1;35:12,12;39:6;43:24;
refer (1)	12:10;47:1;86:2;99:7,23;	73:22;137:6;141:7;143:21;	44:15;52:18;55:12;70:10;
120:21	103:1;147:23;150:6,8;151:15	148:2	77:12;96:18;100:2;101:4;
reference (31)	relatively (6)	reporting (1)	102:22;103:3,8,10;131:20;
13:2;72:2;107:11;109:8,18;	138:22,23;140:9;148:16,19,	7:19	133:16;134:14,20;157:1;
110:10;119:12,17;121:24;	20	reports (14)	159:4;182:17,18
122:3,20,24;125:8;134:6,11;	Relevance (11)	7:12,13,17;12:14,19;22:13,	reviewed (25)
136:14,21,25;137:2;139:3;	15:15;21:9;25:20;30:12;	17;29:17;30:3,5;37:17,17;	7:23;8:4,5;18:18;26:5;
144:23,24;156:4;164:18,20,	31:20;33:10;34:17;47:18;	126:11;127:16	28:19;29:19,23;35:16;36:9,
25;165:11,22,24,24;177:3	52:8;53:15;138:10	representatives (1)	11,22;37:8,16;38:12,17;
referenced (5)	relevant (31)	96:5	53:25;55:5,10;77:10;98:16,
35:22;37:15;53:23;103:1;	37:6;40:2;57:4;65:19;	represented (1)	18;103:18,21;121:10
105:4	79:17;84:24;88:23;91:11;	34:21	reviewing (14)
references (12)	93:22;94:3,7,15;95:17;97:7,9,	represents (1)	18:16;20:10;28:1;39:10;
97:24;108:14;121:6;	11;117:6;120:4;123:6;	35:2	44:24,24;45:1;89:15;96:4;
123:25;126:21;127:10;	124:23;134:6,11;154:5;156:6,	require (4)	101:12;102:16,20,24;103:14
128:15;133:8,9,23;140:22;	21;157:20;159:1;166:16;	87:23,25;88:4;114:24	reviews (2)
152:16	167:1;176:3;184:23	required (2)	29:17;36:18
referencing (3)	reliability (1)	25:14;149:23	revisions (1)
60:10;61:18;67:9	139:24	requirement (1)	28:20
referred (4)	relied (2)	116:4	revolves (1)
54:11,12,25;72:8	55:8;125:5	re-reviewing (1)	54:7
referring (4)	relies (1)	103:6	rewriting (1)
10:12;19:3;34:23;35:6	76:17	research (2)	58:3
reflect (2)	rely (6)	10:4;89:18	Ridg-U-Rak (2)
	· · ·		
71:14;171:4	42:2;48:11;109:7;118:21;	Resin (1)	178:12;179:20
reflected (1)	133:10;134:23	151:9	178:12;179:20 riding (1)
reflected (1) 74:7	133:10;134:23 relying (2)	151:9 resolved (1)	178:12;179:20 riding (1) 171:11
reflected (1) 74:7 refresh (5)	133:10;134:23 relying (2) 130:4;133:24	151:9 resolved (1) 174:23	178:12;179:20 riding (1) 171:11 right (77)
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3	133:10;134:23 relying (2) 130:4;133:24 remember (55)	151:9 resolved (1) 174:23 respect (9)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3,	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15;	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7,
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21;	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21;	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12;	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22;	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9,
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16;	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9,
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6)	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1,	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2)
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1)	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1)
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1)	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3) 75:1,24;76:22	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1) 109:3	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1) 112:4	riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17 rivalry (1)
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3) 75:1,24;76:22 relate (4)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1) 109:3 repair (1)	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1) 112:4 result (2)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17 rivalry (1) 132:23
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3) 75:1,24;76:22 relate (4) 89:11;92:1;135:10;177:24	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1) 109:3 repair (1) 85:9	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1) 112:4 result (2) 149:5;150:11	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17 rivalry (1) 132:23 ROBERT (6)
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3) 75:1,24;76:22 relate (4) 89:11;92:1;135:10;177:24 related (8)	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1) 109:3 repair (1) 85:9 repeat (3)	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1) 112:4 result (2) 149:5;150:11 results (3)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17 rivalry (1) 132:23 ROBERT (6) 3:1;4:1;5:8;124:5;125:9;
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3) 75:1,24;76:22 relate (4) 89:11;92:1;135:10;177:24 related (8) 37:8;38:12;72:20;83:20;	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1) 109:3 repair (1) 85:9 repeat (3) 19:23;113:9;166:22	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1) 112:4 result (2) 149:5;150:11 results (3) 127:25;163:11;168:9	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17 rivalry (1) 132:23 ROBERT (6) 3:1;4:1;5:8;124:5;125:9; 126:24
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3) 75:1,24;76:22 relate (4) 89:11;92:1;135:10;177:24 related (8) 37:8;38:12;72:20;83:20; 84:21;125:18;180:23,25	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1) 109:3 repair (1) 85:9 repeat (3) 19:23;113:9;166:22 replacing (1)	resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1) 112:4 result (2) 149:5;150:11 results (3) 127:25;163:11;168:9 retain (2)	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17 rivalry (1) 132:23 ROBERT (6) 3:1;4:1;5:8;124:5;125:9; 126:24 rod (1)
reflected (1) 74:7 refresh (5) 18:20;23:13;24:4;27:7;72:3 refreshed (1) 18:20 regard (1) 107:22 regarding (17) 54:19;56:6;60:23;96:21; 120:19;126:6,10;127:12; 130:20,21;131:13,15,22; 141:1,13;170:2;171:12 regardless (1) 20:8 regularly (2) 9:2;15:20 rehabilitation (1) 91:5 reject (1) 55:12 rejected (3) 75:1,24;76:22 relate (4) 89:11;92:1;135:10;177:24 related (8) 37:8;38:12;72:20;83:20;	133:10;134:23 relying (2) 130:4;133:24 remember (55) 8:1;9:14,15;10:20,21;12:3, 23;13:11,25;14:6;18:13; 20:21;22:4;23:7;26:1,19; 28:21,24;30:25;31:13,21; 34:6,7;35:19;38:24;39:9; 41:6;43:23;46:16,23;47:6; 49:8,20;50:3;61:9;64:19; 70:17,22;78:2;79:20;80:20; 101:8;104:1;107:4;108:14; 119:4;124:17;125:20;129:11; 137:12;169:25;174:16; 175:15;177:1,15 remembered (6) 50:6;70:7;106:14,25;107:1, 2 remembering (1) 176:9 Remind (1) 109:3 repair (1) 85:9 repeat (3) 19:23;113:9;166:22	151:9 resolved (1) 174:23 respect (9) 50:4;73:21;87:10;96:15; 100:11;131:9;142:10;147:21; 149:15 respectively (1) 67:2 response (2) 8:3;36:7 response] (1) 130:25 responsibilities (4) 6:20;101:15,25;102:3 responsibility (3) 20:23;21:2;44:14 Responsive (1) 72:25 rest (3) 7:9;63:10;90:2 restrained (1) 112:4 result (2) 149:5;150:11 results (3) 127:25;163:11;168:9	178:12;179:20 riding (1) 171:11 right (77) 11:22;17:16;18:25;27:4; 35:9;36:18,19;39:23,24;40:7, 16;42:11;44:10;45:19;52:1,2; 57:17,18,25;58:9;60:10,11; 62:22;65:12;67:3;68:23,24; 71:8,22;72:16;75:20,21; 76:18,19,23,24;78:8;81:5,6; 82:3;89:25;90:10,11;93:20; 99:8,9;103:4;108:5,6,9,23; 113:20;118:5;123:9,15;124:9, 25;127:4,7;128:5;132:15; 135:22;138:5,6,13;139:19; 145:19;147:19;149:1;155:9, 23;159:24;162:20;171:2; 173:24;182:9;184:8 ring-shaped (2) 41:12;75:17 risk (1) 87:17 rivalry (1) 132:23 ROBERT (6) 3:1;4:1;5:8;124:5;125:9; 126:24

8:10;21:10;32:7;34:14;	100:14,17;102:18;103:7;	45:16	101:6
57:17,19;58:6;60:5;91:22	112:16;115:21;121:16;122:2;	searches (1)	serially (1)
roles (1)	127:3,23;128:20;131:3;139:9;	102:19	101:1
57:17	148:12;149:11;160:23;163:1;	searching (28)	seriously (1)
roll (1)	165:9;168:19;184:25	45:3;47:23,24;48:14,22;	178:25
165:6	sampling (1)	49:22;50:1,5;53:24;55:5;	serves (1)
roller (2)	116:14	63:14;96:11;101:12;102:11,	112:1
129:25;166:8	Samsara (16)	23;103:2;104:5,9,11,13,25;	service (1)
rollers (1)	10:12,18;11:8;18:25;21:20;	105:11,14,18;106:4,13;	72:2
147:21	52:19;53:2;78:6;109:7;	107:10;156:22	servicing (2)
room (1)	124:12,22;125:18;131:13;	second (2)	87:12,15
144:14	132:4;170:22;181:18	94:22;122:24	Session (1)
rotating (4)	satisfied (1)	secondary (15)	3:9
40:20;73:15;74:12;75:6	158:23	156:5,7,18;157:6,12;	set (3)
rotation (3)	save (4)	158:12,25;159:9,16;166:15,	68:7;90:20,20
76:9,10;111:25	47:22,24;48:1,12	20,25;167:17;168:3,18	sets (2)
rotational (1)	saved (1)	secret (2)	23:3;90:12
149:10	48:9	177:8;182:11	settled (1)
rotors (1)	savings (1)	Section (11)	181:22
85:6	139:21	32:17;116:15;124:1;	seven (5)
row (1)	saw (1)	129:14;136:1,12;158:3;	5:17;10:7;50:7;121:23;
75:14	52:20	159:19;161:19;163:10;169:25	133:7
rubbed (1)	saying (6)	security (1)	several (2)
150:5	29:14;83:3;97:19;98:3,5;	179:11	66:17;143:18
rules (4)	136:16	Seeing (3)	severely (1)
12:4,9;13:3,3	scale (1)	27:6;72:18;108:19	172:18
rulings (1)	161:9	seem (2)	shaft (5)
40:8	Scheck (1)	172:6;181:14	40:19;44:4;73:15;74:9;77:3
run (3)	171:21	seemed (2)	shafts (4)
68:16;87:14;115:16	Schmidt (5)	119:22;122:6	85:7;110:4,23;137:4
runner (5)	119:7,12,16,24,25	seems (1)	shall (4)
17:19;90:5;91:15;93:8;	Schnuck (1)	139:6	56:9,12;141:6,11
147:15	178:2	Select (1)	shape (3)
running (30)	Schnuck's (2)	174:2	91:17,24;92:1
16:7;50:16;55:20,22,25;	178:7,11	selected (1)	share (1)
61:19,24;62:20;65:25;68:3,4,	Schonenberger (17)	133:20	64:23
22,22;69:10,19,22;84:7;86:9;	121:4,8,20,24;122:3,9;	sell (3)	shareholders (1)
91:15;92:14;112:8,19,23;	144:24,25;145:5,11;147:1,4,8,	159:17,18;178:18	27:19
113:7,13;114:15;115:10;	10,12;148:6,11	selling (1)	sharp (1)
137:17;153:6;162:12	scientific (1)	65:21	145:24
runs (1)	7:11	send (4)	shear (1)
88:20	Sclater (33)	24:17;33:9;34:2;46:6	87:1
-	107:11,18,22;108:11,23;	sending (3)	Sheth (1)
\mathbf{S}	109:7,22;110:9,22;111:1,15,	8:17;34:3;175:18	172:22
	18;121:5,10;122:16,19,24;	sensation (1)	shipping (2)
safety (49)	123:8;128:9,21,23,23;129:4;	178:6	146:2,22
41:10;44:4;54:5,8;59:6;	130:5,6,10;154:11;164:4,11;	sense (10)	shock (3)
60:5;63:22,22;65:17,22;	165:23,25;166:1;177:2	20:14;30:22;78:10;85:16;	67:20;141:20;153:7
66:17;67:8,10,15,18,19,22;	scope (17)	98:23;112:16;146:21,23;	shoes (1)
68:14,19;69:3,9,18,21;75:14;	32:5,10,20;33:3;34:9;	167:7;175:17	178:4
83:19,23;84:2,3,10;86:22;	60:23;61:1;80:22;81:4,11;	sensing (4)	Shoji (1)
87:7,7,9;113:25;114:20;	82:2;90:9;97:12;98:11;161:4,	174:11;175:19;176:1,18	71:8
116:17;117:9,11;137:21;	9;175:14	sensors (2)	shop (5)
138:2,4;140:23;141:2,19;	scrape (1)	138:7;176:15	177:14,18,20,23,24
142:3;152:14;162:16,19;	150:6	sent (10)	shorter (1)
170:9	search (20)	24:21,21;29:18,21;30:10;	109:20

Samantha (1)

41:15,20;50:11;59:13;

72:17,17;74:20;78:8,9,10;

80:11,13,14,14,16,25;81:15,

18,20,23;85:21;86:1,4,6,8;

173:8 same (45)

34:6,6;45:23;46:3;51:23

66:15;94:22;95:5;120:23;

141:3;156:16,17;166:14

sentence (8)

separate (1)

serialized (1)

49:13

18:20;45:25;49:3,6,11,14;

50:24;51:7,10,14;101:13;

102:19;104:16;105:23,25;

106:19,20,24;133:15,17

search/review (2)

102:20,20

searched (1)

shortly (1)

30:23

129:23;130:17;137:18;

111:10,22,23;118:12;

154:16;155:15,18

show (6)

shows (6)

129:14;137:3	51:24;52:13	22,24	103:14
shut (2)	skimming (2)	Sometimes (1)	spent (11)
16:18;137:13	36:24;78:3	33:5	31:4;89:14;98:22;99:3,7,8,
side (3)	Skowronski (34)	somewhere (5)	11,23;101:11;102:18;103:15
113:20,20;162:12	136:14,19,20;137:10,16,20;	47:19;59:8;99:20;141:21,	spoke (3)
Siegel (1)	138:11;139:2;140:1,12,18,23;	22	14:23,23;107:19
172:12	141:25;142:1,11;143:3,8,10,	sorry (7)	spool (2)
sign (1)	12,17,25;145:6,11,12;146:8;	76:13;114:6;135:7;136:20;	178:22;179:1
34:1	148:1,5,9,14,21;150:16,19;	141:8;160:12;174:17	sports (7)
signature (2)	151:16,17	sort (18)	58:11,12;59:11,23,25;60:3;
26:25;100:23	S-K-O-W-R-O-N-S-K-I (1)	21:17;43:7;49:5;78:14;	93:9
	136:16		
signed (1) 27:6		87:20;88:16,17,17;89:1,2;	spotted (1) 127:16
	Skowronski's (2)	91:16,21;97:2;102:8;105:23;	
significant (2)	138:18;139:17	111:13;146:18;154:15	sprag (4)
136:24;148:17	slats (4)	sorts (2)	112:10;117:1;118:8;129:10
Similar (17)	112:25;113:1;147:22,23	77:8;158:21	sprag-type (5)
48:20;59:16;74:21;77:20,	Sleep (1)	Sounds (2)	116:24;164:11,15,23;165:8
22;78:6;79:10;80:17;81:13;	174:1	42:15;184:11	sprained (1)
85:22;104:16,24;106:21;	slightly (1)	sources (1)	178:6
122:3;129:15;169:25;170:5	82:4	44:22	square (1)
similarities (6)	slippage (1)	Southern (3)	165:16
106:7;113:6,12,15,22;	150:3	71:25;74:25;179:24	stability (5)
123:13	slippery (1)	space (4)	63:21;67:23,25;87:6;89:15
Similarly (1)	178:7	11:3,7;47:17;83:23	stable (1)
65:9	slope (1)	speaking (4)	117:13
simple (3)	112:23	7:18;16:12;142:14;182:23	stack (1)
83:8;85:2,5	small (7)	special (2)	102:22
simply (2)	126:9;142:24;146:19;	25:7,10	staff (1)
86:20;153:22	147:5,15,21,23	specific (22)	7:10
single (2)	smaller (8)	32:24;42:8;66:8,9;67:8;	stand (1)
79:1;135:20	59:7,17;139:24;147:2,13;	69:2;74:15,19;85:13;90:1;	87:5
sit (22)	149:6,24;150:10	91:17;92:12;103:17;104:17;	standard (37)
12:18;29:25;31:13;38:15;	smattering (1)	118:12;130:3;147:10,22,25;	30:2;54:4,7,10;55:24;
41:6,19;49:8;57:14;64:6;	50:22	148:4;168:3,18	56:24;58:3,20;60:9,24;61:9,
69:24;75:4;96:19;103:12,21;	Sneezing (1)	specifically (42)	12,17;62:8,17,22,25;63:1,16
113:21;120:2,24;138:8;167:7;	16:13	9:12,16,21;12:4;28:17;	19,23,24;64:3;65:17,19;66:7
169:9;173:24;177:1	Socwell (14)	29:4;32:2;34:23;37:3;39:9,	67:21,22;70:2,5,11;101:21;
sites (1)	121:5,8,20;160:8,10,23;	13;41:16;45:18;46:10;48:24;	140:22;141:4,9,12;142:4
104:17	161:2,11,15;162:1,3,9,15,19	49:21;54:13;56:5;61:9;70:24;	Standardization (1)
sitting (1)	sold (1)	72:19;73:12;75:14;94:14;	66:21
170:15	163:25	96:8;110:5;111:9;117:24;	standards (27)
situations (2)	solid (2)	119:3;120:5;128:1;130:12,13;	45:8,8,9;53:23,25;54:16,19,
56:21;57:1	74:2;184:6	140:1;148:15;149:19;150:24;	24;55:4,9,11;57:24;58:7,19;
six (3)	solution (2)	155:21;164:3;168:15;170:19;	59:19,22;60:5;66:18,25;67:7
20:16,17;99:20	161:20;168:9	176:6	17;68:25;69:21;88:3,7;
size (2)	solutions (4)	specification (8)	101:20;135:11
92:1;147:22	67:8;69:2,5,20	90:14,21;91:7;92:8;138:19;	standpoint (3)
sizes (1)	solve (2)	142:12;146:9;150:24	14:11;29:15;162:14
178:19	143:11;146:11	specificity (1)	stands (1)
sizing (2)	solving (1)	100:21	12:18
147:25;148:4	184:7	specifics (6)	start (7)
skill (25)	somebody (5)	14:1;37:11;38:15;64:19;	45:25,25;46:1;106:19,23;
74:10;77:1,4,13,16;78:5,20;	33:8;51:15;95:11;105:4;	79:6;84:12	116:20;164:8
		*	1
79:3,18;80:8,12;81:14;84:19;	107:18 somehow (1)	specifies (1) 62:4	started (10)
93:5;116:9;123:5;128:4,6;			44:21,23,23;100:18;106:20;
129:7;133:1,4;139:8;145:10;	91:11 Samana (10)	specify (2)	107:3,5;119:9;154:4;184:17
176:3,8	Someone (19)	67:11,12	starting (8)
skilled (1)	9:8;32:9;68:11,16;69:13;	speed (3)	106:18;107:9;116:15,19;
133:6	77:20;83:25;84:1;88:15;93:3,	118:5;149:11;150:10	136:13;138:16;140:2;169:11
skim (1)	7;129:1;146:17;154:7;	speeds (2)	starts (1)
37:22	176:17;182:10,18,24;184:4	149:9,10	152:20
skimmed (8)	Sometime (6)	spend (6)	state (12)
36:12,13;37:13,24;38:6,14;	46:19;61:12;83:18;100:20,	100:6,13,16;101:10;102:16;	32:10;40:17,23;66:16;88:7;

93:25;120:16;152:22;157:10,	stuff (9)	178:9	15;32:8;38:8;42:2,4,20;77:21;
15;166:15;183:3	45:7;53:7;54:9,15;146:3;	sure (57)	79:12;93:12;102:7;154:1;
stated (4)	153:17;156:25;181:1;182:12	13:8;14:8;19:24;20:18;	180:17
90:3;154:11;156:11;169:7	style (3)	23:17;25:8;27:17;29:14,19;	Technically (1)
statement (5)	107:1,2;161:8	30:1;40:4;45:23;46:2,7;	7:18
121:16;139:3;156:15;	subject (2)	53:17;54:2;55:23;56:11;	technologies (1)
160:20;181:21	80:11;110:9	57:21;64:18;68:4,6,21;82:9;	123:12
state-of-the-art (1)	submit (1)	83:2,3;85:1;87:19;88:15;	technology (6)
139:5	37:21	91:13;98:15,15;104:19,21;	171:7;174:8,11;175:24;
states (8)	submitted (1)	111:17;113:10;114:7,12;	177:11,13
23:10;66:5;75:17;94:22;	35:20	116:13;118:17;120:6;124:19;	tells (1)
138:20;141:4,19;149:20	subsequent (1)	126:9;133:5;135:24;137:23;	146:9
static (18)	143:24	138:8;141:8;145:18;148:25;	temperature (1)
140:14,20;141:1,17;142:25;	substance (3)	149:2;150:3;151:25;157:8;	144:14
143:6;144:3;145:2,13;146:11;	29:23;82:17;158:13	163:22;169:19;176:22	temperatures (1)
148:23;149:6;150:1,12,17,25;	substantially (4)	surface (34)	144:20
151:4,15	41:22;44:5;76:4,15	16:7;55:20,22,25;61:19,23,	ten (6)
stating (1)	substantive (3)	25;62:3,19,21;65:25;68:3,4,	49:19;58:24;93:7;132:23;
143:12			
	11:17;24:12;103:3	22,22;69:10,22;84:7;86:9;	161:2,10
stationary (2)	succeed (1)	90:4;91:4,16;92:14;112:19,	tension (1)
111:24;112:5	9:5	23;113:8,14;114:4,9;115:6,	149:23
stay (2)	success (2)	10,21;137:17;147:17	tenth (1)
19:14;60:2	18:6;159:13	surfaces (1)	8:25
steel (1)	succinct (1)	117:14	tenure (3)
138:21	109:13	Surveying (1)	59:1,14;60:4
step (3)	sued (1)	184:1	term (10)
68:4;69:23;117:17	22:1	swag (1)	31:12;37:20;40:19;41:10,
stepped (2)	sufficient (2)	6:25	22;57:3,4;73:14;76:4;165:17
179:5,16	98:11;109:19	switch (1)	terminology (1)
steppers (1)	suggested (2)	56:15	36:1
64:17	8:3;28:20	sworn (2)	Terms (30)
steps (3)	suggesting (1)	5:6,10	39:17,21;40:11;42:4,6,22;
18:14;68:21;69:10	115:6	system (5)	43:2,6,14,21;44:4,12;49:2,3,6,
still (12)	suggestions (2)	8:14:116:3:117:7:141:15:	14:51:7.10.15:52:7:65:22:
still (12) 16:18:20:7:59:17:79:24:	suggestions (2) 118:25:120:4	8:14;116:3;117:7;141:15; 145:7	14;51:7,10,15;52:7;65:22; 97:1:104:16:105:23 25:116:3:
16:18;20:7;59:17;79:24;	118:25;120:4	8:14;116:3;11/:/;141:15; 145:7	97:1;104:16;105:23,25;116:3;
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2;	118:25;120:4 suggests (1)	145:7	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2	118:25;120:4 suggests (1) 92:10		97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1)	118:25;120:4 suggests (1) 92:10 suing (2)	145:7 T	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6	145:7 T table (1)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1)	145:7 T table (1) 128:5	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15	145:7 T table (1) 128:5 tabs (1)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2)	145:7 T table (1) 128:5 tabs (1) 21:21	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17	145:7 T table (1) 128:5 tabs (1) 21:21 tail (3)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5)	145:7 T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3	145:7 T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3)	145:7 T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20;
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16,
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1)	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24;
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10,
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1)	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1)	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8)	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8)	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1) 119:23	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8) 7:22;10:10;141:14;156:12;	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24; 154:4;175:16	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8 tethers (1)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1) 119:23 strongest (4)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8) 7:22;10:10;141:14;156:12; 174:13;179:17,21;180:14	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24; 154:4;175:16 talks (5)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8 tethers (1) 58:7
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1) 119:23 strongest (4) 120:8,10,13;133:22	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8) 7:22;10:10;141:14;156:12; 174:13;179:17,21;180:14 supported (1) 165:18	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24; 154:4;175:16 talks (5) 55:24;56:2;110:8;112:10;	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8 tethers (1) 58:7 Thanks (1) 82:10
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1) 119:23 strongest (4) 120:8,10,13;133:22 structure (2) 7:20;141:14	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8) 7:22;10:10;141:14;156:12; 174:13;179:17,21;180:14 supported (1) 165:18 supporting (1)	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24; 154:4;175:16 talks (5) 55:24;56:2;110:8;112:10; 129:16 task (2)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8 tethers (1) 58:7 Thanks (1) 82:10 therapy (1)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1) 119:23 strongest (4) 120:8,10,13;133:22 structure (2) 7:20;141:14 student (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8) 7:22;10:10;141:14;156:12; 174:13;179:17,21;180:14 supported (1) 165:18 supporting (1) 34:10	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24; 154:4;175:16 talks (5) 55:24;56:2;110:8;112:10; 129:16 task (2) 57:23;58:14	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8 tethers (1) 58:7 Thanks (1) 82:10 therapy (1) 89:2
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1) 119:23 strongest (4) 120:8,10,13;133:22 structure (2) 7:20;141:14 student (1) 108:16	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8) 7:22;10:10;141:14;156:12; 174:13;179:17,21;180:14 supported (1) 165:18 supporting (1) 34:10 supports (1)	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24; 154:4;175:16 talks (5) 55:24;56:2;110:8;112:10; 129:16 task (2) 57:23;58:14 technical (24)	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8 tethers (1) 58:7 Thanks (1) 82:10 therapy (1) 89:2 Therefore (1)
16:18;20:7;59:17;79:24; 86:12,13,13;114:14,16;115:2; 185:2,2 stood (1) 182:3 stop (4) 56:4,6,22;68:17 stops (1) 67:12 stored (2) 47:11;50:22 strategies (1) 105:17 strategy (1) 106:13 streamline (1) 184:18 street (1) 183:11 strong (1) 119:23 strongest (4) 120:8,10,13;133:22 structure (2) 7:20;141:14 student (1)	118:25;120:4 suggests (1) 92:10 suing (2) 22:4,6 suit (1) 22:15 Suitable (2) 140:4;155:17 summary (5) 169:13,17,20,23;170:3 sump-pump (3) 179:5,7,14 super (1) 177:16 supervisors (1) 98:21 suppliers (1) 65:21 support (8) 7:22;10:10;141:14;156:12; 174:13;179:17,21;180:14 supported (1) 165:18 supporting (1) 34:10	T table (1) 128:5 tabs (1) 21:21 tail (3) 113:17;114:15,25 talk (6) 11:25;115:25;118:2;145:1; 162:10;164:11 talked (1) 76:25 talking (18) 11:23;34:24;35:23;37:3; 39:14;42:19;52:14;56:16; 69:1;71:17;97:18;116:17; 117:12;130:23;143:19,24; 154:4;175:16 talks (5) 55:24;56:2;110:8;112:10; 129:16 task (2) 57:23;58:14	97:1;104:16;105:23,25;116:3; 131:2;150:11;170:8,10 terribly (2) 161:3;174:5 test (2) 58:4,6 testified (1) 5:11 testifying (1) 5:25 testimony (24) 82:18;83:1;133:14;170:20; 171:17;172:2,19;173:2,12,16, 17;174:3,13;175:14;176:24; 178:10;179:8,17,21;180:10, 11,13;181:6;184:21 testing (2) 58:7;108:17 tether (2) 56:17;58:8 tethers (1) 58:7 Thanks (1) 82:10 therapy (1) 89:2

145:23	128:24,25	11;85:17,19,25;87:4;88:20;	49:25;70:14;107:16
thicker (3)	took (4)	91:4,18,24;112:16,20;113:4,7,	120:3;171:5
148:19,22;149:5	107:20;153:20;180:24;	13,23;115:15;116:12,22;	turning (2)
thinking (2)	182:11	117:16;137:11,16,19,20;	48:13;147:7
83:6,6	tooling (1)	141:15;142:4;144:15;146:12,	two (19)
thinner (1)	138:24	16;148:10;150:2;151:5;153:5,	7:9;17:14;38:6;41:1
149:7	top (17)	6,9,11;154:18;160:5,25;	69:15;70:25;71:5;74
third (2)	12:14;43:23;54:2;60:17;	161:4;162:5,11	75:17;90:22;96:16;1
57:8;166:11	63:11,12;70:24;79:20;114:23;	treadmills (39)	128:15;150:4,9,10;1
though (12)	115:3,11;122:11;126:13;	11:11,13;15:11,16,19;16:1,	169:18;178:4
47:7;57:15;62:25;64:15;	127:4;138:3;145:22;170:21	4;17:3,16;52:14;54:4,10,20;	two-member (1)
74:15;86:2;103:12;127:21;	topic (1)	56:3,8,12,18;59:19,22;60:2;	74:2
144:13;162:5;167:23;173:5	10:3	65:19,22;66:16;67:15,17;	type (8)
thought (8)	torque-arming (1)	85:13;86:21;91:13;129:15;	15:11;88:22;89:3;11
7:16;32:14,16,18;82:24;	112:4	138:1,14,21;148:12;149:24;	115:21;123:6;137:2
101:24;120:10;181:22	total (1)	154:20;161:5;165:13,14;	types (6)
thousand (1)	17:14	177:25	29:4;77:23;118:6,8;
161:7	totally (1)	treads (1)	161:5
threat (1)	71:9	86:13	typically (2)
87:17	traceability (3)	treadwheel (1)	33:3;138:21
three (18)	104:19;105:2,3	49:9	typo (2)
7:9;17:1,14;35:1;36:17,20,	traced (1)	tried (3)	120:22,25
23;37:14;38:14;42:22;66:25;	104:22	45:16;50:10,19	
69:14;91:25;97:1;99:12,20;	track (1)	Tripp (1)	U
104:3;165:21	46:24	180:9	
thus (2)	tracked (1)	Tristar (7)	UL (8)
8:20;99:11	64:22	173:8,14,15,18,20;181:5,9	67:21;140:22;141:4
tightly (1)	trade (2)	trouble (2)	16,18,24
118:10	177:8;182:11	50:8;176:9	ultimately (1)
timeline (1)	trainer (3)	true (8)	157:3
160:18	89:3,4,5	8:4;41:20;102:4;121:16;	umbrella (2)
times (7)	training (3)	127:3;131:4;135:21;178:9	58:19;84:4
38:4,6;46:21,25;102:15;	61:22;62:18;88:17	try (5)	unauthorized (4)
119:17;132:21	TRANSCRIPT (1)	6:23;7:1;9:4;21:10;26:18	56:14;57:3,6,7
timing (5)	3:2	trying (7)	uncover (1)
24:5;27:8;30:19,25;37:23	transitioned (1)	50:24;91:14;106:16;	107:11
tip-over (2)	58:5	110:19;145:9;152:9;169:24	uncovered (1)
58:1,3	translate (1)	turn (4)	102:17
title (4)	148:22	47:4;70:21;145:24;149:22	under (12)
6:16;58:11;60:17;72:24	transmission (15)	turnarounds (1)	7:19;25:7;27:3;39:1
today (13)	11:4;84:22,24;85:1,5;	139:23	64:23;73:13;75:15;7
5:20,23;7:24;8:4,6,8;22:9;	109:12,18;110:7;111:14;	turned (3)	135:5;136:12;152:2
26:6;53:4;79:11;169:7;182:1;	125:5;127:20;183:4,6,7,24	47:25;182:4,13	underlying (1)
184:9	transmit (2)	Turner (66)	114:17
today's (2)	40:21;73:16	6:3;7:22;8:11;11:17,24;	underneath (1)
37:2;184:22	transmits (1)	12:12,21;15:13,15;19:9,20;	111:24
toes (1)	74:3	21:9;22:18,19;25:20;30:12;	underside (1)
68:10	transmitting (2)	31:20;33:10;34:17;41:1,14,	68:12
together (13)	74:4;75:7	17;47:18;51:22;52:8;53:12,	understands (2)
5:18;58:21;77:9;78:13;	transverse (1)	15;78:18;79:2,16,19;92:3;	32:9;150:5
100:3;101:16;118:13;128:15;	113:19	94:16;95:4,13;98:4;103:24;	understood (3)
152:10;153:19;163:14,15;	trapped (1)	105:5,16;107:19,21;115:23;	39:10;96:24;167:9
168:5	87:3	121:9;122:5;125:1;132:2,19;	unexpected (8)
told (6)	travel (1)	133:13,17;135:1;146:13;	68:5,23;69:11,23;87
12:21;19:9;22:8;41:18;	115:5	151:23;156:8;157:23;158:11,	163:11;168:9
79:11;94:14	treadmill (85)	15;159:7,8;163:3,5;166:10;	uni (1)
tomato (2)	11:3,7;16:6,9,17;17:9,12;	169:21;183:19;184:13;185:1,	87:24
155:2,2	18:22;19:2;49:1,9;50:8,16;	5	unidirectional (15)
tomorrow (2)	52:17;54:9,14;55:25;56:22;	Turner's (26)	55:20,25;56:3,23;61
182:2;184:10	57:10;60:6;61:8,21,22;62:3,	9:8;11:1;17:25;18:9;20:10;	62:3,19;65:24;87:25
ton (3)	17;63:25;64:8,12,18;65:17,	22:22;23:14;24:18;25:11,23;	117:24;155:7,8,16
13:11;146:1,2	25;67:24;68:9,12,14,16,20;	31:5,7;32:3;34:10;35:20;	unilateral (1)
tons (2)	77:9,23;82:25;83:4,5,18;84:6,	37:17;44:14;45:23;46:2,14;	87:23
-	<u> </u>	1	1

universe (3)	46:1;142:19,22	walks (1)	178:17
85:2;129:5;144:18	utilization (1)	88:20	Wisconsin (5)
University (4)	147:2	wall (2)	107:14;108:5,8,11;109:4
107:13;108:4,7;109:4	utilize (3)	58:8;178:20	wisdom (1)
Unless (3)	106:23;117:8;139:19	wasted (1)	168:11
44:11;123:18;182:16	utilized (2)	154:3	withdraw (4)
unmet (3)	75:19;122:4	way (19)	38:17;55:10;73:5;105:1
159:20;160:21;168:8	75.17,122.4	8:13;30:7;42:23;44:23;	withdrawn (3)
	V		87:24;97:10;168:16
unpatentability (1)	V	45:24;92:25;105:13;109:8;	
120:19		117:18;124:24;136:7,19;	within (17)
unsuccessful (1)	validity (6)	147:24;148:3;150:14;163:20,	33:8;37:25;52:15;57:11;
181:20	10:9;125:18;126:6,9;	25;177:25;180:7	62:1;73:4,6;86:18;89:19;
untangle (1)	127:12;181:19	ways (1)	118:14;129:18;138:8;140:17;
100:3	valves (3)	85:22	141:21,22;143:25;148:8
up (26)	175:16,25;176:15	wearing (1)	without (7)
21:10;26:18;45:17;47:4,25;	Vance (3)	178:4	16:21,22;32:25;43:7;68:3;
48:13;51:14;52:5;70:21;	179:24;180:7,9	website (9)	89:25;110:15
78:24;91:23;104:16;115:14;	variant (1)	44:20;45:15,19,20;47:5;	Witness (11)
117:25;119:1;120:12;128:18,	51:13	48:1,14,23;96:11	5:6,9,24;19:21;34:18;
20;134:17,21,22;157:1;158:7;		week (8)	42:15;82:6,10;118:15;154:1;
	variation (1)		
178:21;180:24;184:9	147:16	9:4;20:15;36:14;51:22;	184:11
upon (1)	variety (2)	52:20;100:10;104:4,6	woman (1)
23:1	101:25;117:5	weeks (5)	171:11
upwards (1)	various (1)	99:18,19;101:11;102:10,25	Woodway (44)
117:5	154:22	weight (4)	10:9,15,18,24;11:20;15:2;
USA (1)	version (3)	139:21;146:1,22,23	17:8,23;18:7;22:1,4,6;31:19;
71:23	108:1;123:3;128:23	weightbearing (1)	37:4;38:13;40:2,11;65:11;
use (40)	versions (1)	69:16	70:19;71:23;72:5;74:5;92:1,
16:18,20,22;49:6,14;51:7;	111:8	weighted (1)	18;95:19;96:16;99:2;104:4;
60:6;63:17;67:13;85:21;	Versus (13)	146:17	115:22;126:7;132:15;146:10;
86:12,13,13;94:14;95:10,13;	71:23;170:21;171:21;	well-qualified (2)	152:5;153:18,21;157:5;
107:24;108:10;112:13;	172:12,22;173:8;174:1;	28:11,13	160:14,19;161:16;165:21;
		weren't (3)	
116:11;120:4;122:13;127:19,	175:19;177:5;178:2,12;		166:12;167:25;170:21;181:19
23;128:1;129:2,10;140:10,13;	179:20,24	110:16;136:1;144:11	Woodway's (8)
148:19,22;149:23;150:2;	via (2)	west (1)	22:10,23;31:23;36:3,5;
152:11;154:12;155:4,16;	34:7;110:17	17:1	39:6;96:5;163:4
164:2;165:23;184:21	viability (1)	What's (16)	Word (3)
used (48)	162:7	16:23;23:23;40:14;65:14;	3:17;128:13,16
15:20,23;30:13;40:21;42:8;	view (16)	69:14;74:7;89:8;99:17;100:9;	wordings (1)
45:7;49:9;63:20,24;64:3;	42:8;56:16;81:10;85:12;	119:1;120:22;121:1;125:24;	141:13
65:19;73:15,20;81:24;82:2;	86:7;98:9;109:25;110:1,12,	142:15;159:15;160:13	work (54)
95:8;96:25;105:25;107:8,15;	22;122:2;124:21;132:14;	whatsoever (1)	6:11,22,23;7:22;8:2,7,12;
108:23;113:19;119:12,17;	136:24;138:10;139:17	53:19	23:11,25;24:13;25:18;26:15;
123:23;127:21,22,24;128:2,8;	vis-à-vis (1)	WHEREUPON (1)	27:13;28:1,15;29:2;30:24;
129:16;130:9;138:20;139:14,	130:4	5:7	31:24;34:20;35:2,3;51:7;
15;142:18,21;143:2;144:15;	Volume (3)	whole (6)	60:21;78:16,23;79:12;82:23;
		20:7;34:20;59:4;98:7;	83:11,17,22,24;84:4;101:18,
148:12;149:6;150:22;154:20;	23:9;55:18;72:22		
163:24;164:24;165:25;	volunteer (2)	124:18;168:7	19,20,22,23;102:7;104:5;
175:25;177:2	101:21;181:1	who's (1)	108:8;109:6;128:15;148:5,9;
useful (2)	vote (2)	150:5	161:23;162:2;167:15;172:7;
116:11;166:2	58:15;59:5	whose (1)	175:7,10;177:21;178:16;
user (4)		121:14	180:20;183:18
16:5;48:22;68:21;69:9	\mathbf{W}	widely (1)	worked (9)
users (1)		154:20	11:10;24:24;25:3;132:11,
141:20	waiver (2)	Williams (1)	12;153:22,25;154:21;181:10
uses (1)	72:2;78:14	173:8	worker (5)
111:10	walk (2)	willing (1)	172:1,15;178:15;179:4;
using (12)	89:15,18	183:1	180:2
15:18;57:10;85:9;115:4;	walked (3)	wind (1)	working (9)
137:24;139:23;145:14,22;	14:12;15:16;172:15	178:21	22:20;31:4,8;33:6;80:14;
149:4;152:4,11,25	walking (5)	wire (2)	93:8;100:25;161:6;172:9
usually (7)	49:10;61:23;62:19;179:13,	178:18;179:1	works (3)
		wire-coiling (1)	
8:18;24:19;30:8;45:24;	14	wire-coming (1)	8:13;162:3;183:21

wraps (2)	1001 (6)	18 (3)	216-1 (2)
113:17;115:7	4:3;5:4;123:20;124:3;	147:21;152:20;159:23	125:12;126:18
write (1)	126:23;151:4	1800s (1)	22 (4)
29:17	1002 (1)	161:5	140:2,5,8;148:16
writing (5)	134:19	186 (1)	23 (1)
57:23;103:5;131:17,18;	1003 (18)	3:11	66:13
167:9	23:9;26:23;29:21;30:20;	1860 (1)	
			25 (1)
written (6)	35:8;39:13;41:25;42:10;	160:7	82:7
7:17;51:2,4;100:4;105:10;	43:19;44:2;54:22;71:14;	187 (1)	28 (4)
136:11	75:11,22;76:16,20;135:5,8	3:13	140:2,5,8;148:16
wrong (3)	1004 (1)	188 (1)	
97:17;98:3;111:11	170:19	3:15	3
			3
wrote (1)	1005 (1)	189 (1)	
39:5	71:22	3:17	3 (4)
	1007 (6)	19 (2)	63:11;120:19;123:19;139:1
T 7			
${f Y}$	65:14,15,23;67:2,5;70:3	152:20;153:4	3- (1)
	1010 (3)	1998 (1)	109:2
(20)	121:25;122:2,9	139:12	
year (20)			3:15-cv-01665-JCH (2)
7:25;13:10,20;22:14;24:1;	10124 (1)	1st (4)	124:5;125:12
31:2;45:19;77:22;84:20;95:6,	151:9	23:25;66:11;124:6;127:6	3:22-cv-00492-JO-BLM (1)
7;100:1,20,22;103:22;119:6;	1018 (1)	,,,,	71:25
122:7;151:22;176:11;180:23	164:20	2	30 (2)
year-end (1)	1019 (8)		40:19;41:11
26:18		2 (18)	1
	55:17,19;56:7;60:18;67:1,2,	2 (18)	300 (2)
yearly (1)	6;141:22	3:3;55:18;72:22;111:22;	116:16,19
23:3	1020 (5)	112:21,22;113:3,6,12,24;	302 (2)
years (16)	61:15;62:2;63:20;67:2,5	114:11;115:19;116:2;129:8;	144:7,23
5:17;10:7;50:7;58:24;61:3;	1022 (6)	130:5;138:15;144:10;155:22	31 (1)
93:8,10;106:22;121:23;160:1,	72:22;73:4,6,13;75:13;76:3	20 (3)	148:15
	1020 (4)		
1;161:2,7,10;171:2,4	1030 (4)	7:5;124:6;148:19	313 (4)
yield (1)	4:3;5:5;136:15;138:16	2000 (1)	143:14;144:6;148:13;149:4
144:17	119 (1)	109:5	314 (1)
			, ,
York (1)	39:13	2001 (3)	149:16
74:25	11th (1)	62:10,24;63:13	32 (1)
	72:1	2005 (9)	149:20
7			
${f Z}$	12 (1)	60:10,16,19;61:13;62:9,11,	320 (3)
	183:2	14,23,25	111:20,21;116:7
zero (1)	120 (2)	2008 (4)	33 (2)
95:8	39:19;120:15	109:5;125:25;126:4,17	41:11;135:10
	121 (3)	2009 (6)	34 (1)
0	40:17;42:22;43:11	83:15,18;93:22;125:25;	135:10
U			
	122 (3)	126:5;127:3	35 (1)
0.1 (1)	41:8;42:23;43:12	2010 (4)	135:10
8:24	123 (4)	66:7;94:25;95:6;160:17	36 (1)
			135:10
005 (1)	39:14;41:20;42:23;43:12	2011 (1)	
75:15	12A (2)	66:11	37 (2)
05 (2)	147:5,9	2017 (2)	40:19:41:11
60:16,20			· · · · · · · · · · · · · · · · · · ·
00.10.20	· · · · · · · · · · · · · · · · · · ·		39 (1)
	12th (2)	124:6;127:6	38 (1)
06355 (1)	12th (2) 27:4;31:3		38 (1) 41:11
06355 (1)	12th (2) 27:4;31:3	124:6;127:6 2018 (3)	41:11
	12th (2) 27:4;31:3 15 (4)	124:6;127:6 2018 (3) 125:13;126:20;172:11	41:11 39 (7)
06355 (1) 151:10	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1)	41:11 39 (7) 40:20;149:20;156:4;158:1;
06355 (1)	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13	41:11 39 (7)
06355 (1) 151:10	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13	41:11 39 (7) 40:20;149:20;156:4;158:1;
06355 (1) 151:10 1	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3)	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14
06355 (1) 151:10 1 1 (7)	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1	41:11 39 (7) 40:20;149:20;156:4;158:1;
06355 (1) 151:10 1	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9)	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3;	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9)	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21;	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 4 (10)
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13 10 (2)	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 4 (10) 3:5;32:17;73:12;123:19;
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14 16th (1)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8 2024 (5)	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 4 (10) 3:5;32:17;73:12;123:19; 139:1;155:6,9,21,22;170:18
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13 10 (2) 138:16;151:5	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14 16th (1)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8 2024 (5)	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 4 (10) 3:5;32:17;73:12;123:19; 139:1;155:6,9,21,22;170:18
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13 10 (2) 138:16;151:5 10,561,884 (1)	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14 16th (1) 95:6	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8 2024 (5) 3:1;4:1;5:2;23:21,25	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 (10) 3:5;32:17;73:12;123:19; 139:1;155:6,9,21,22;170:18 4' (1)
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13 10 (2) 138:16;151:5 10,561,884 (1) 37:5	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14 16th (1) 95:6 17 (5)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8 2024 (5) 3:1;4:1;5:2;23:21,25 20957 (3)	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 (10) 3:5;32:17;73:12;123:19; 139:1;155:6,9,21,22;170:18 4' (1) 155:9
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13 10 (2) 138:16;151:5 10,561,884 (1)	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14 16th (1) 95:6	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8 2024 (5) 3:1;4:1;5:2;23:21,25 20957 (3) 62:13,22;66:22	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 (10) 3:5;32:17;73:12;123:19; 139:1;155:6,9,21,22;170:18 4' (1)
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13 10 (2) 138:16;151:5 10,561,884 (1) 37:5 100 (8)	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14 16th (1) 95:6 17 (5) 23:8,17,18;136:13;152:21	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8 2024 (5) 3:1;4:1;5:2;23:21,25 20957 (3) 62:13,22;66:22	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 (10) 3:5;32:17;73:12;123:19; 139:1;155:6,9,21,22;170:18 4' (1) 155:9 4,635,771 (1)
06355 (1) 151:10 1 1 (7) 23:9;32:17;60:12;121:3; 124:1,7;125:13 10 (2) 138:16;151:5 10,561,884 (1) 37:5	12th (2) 27:4;31:3 15 (4) 7:5;38:25;39:4;138:16 16 (2) 94:25;135:7 1647 (5) 141:4,9,12,16,18 169 (4) 169:14;170:4,12,14 16th (1) 95:6 17 (5)	124:6;127:6 2018 (3) 125:13;126:20;172:11 2020 (1) 6:13 2022 (3) 13:17;24:11;72:1 2023 (9) 13:17;23:6,19;24:14;26:21; 27:4;31:3,3,8 2024 (5) 3:1;4:1;5:2;23:21,25 20957 (3)	41:11 39 (7) 40:20;149:20;156:4;158:1; 159:23,25;166:14 4 (10) 3:5;32:17;73:12;123:19; 139:1;155:6,9,21,22;170:18 4' (1) 155:9

woodway USA, Inc.		
56:21	69 (1)	
4.9.3 (4)	169:12	
56:8,12,16,25	7	
400 (3) 109:2;116:8;117:5	/	
410 (1)	7 (7)	
23:24	124:2;134:3;140:2;147:20;	
43 (1)	148:14,15;149:19	
40:20	70 (1)	
452 (1)	39:12	
156:10	70s (1)	
46 (3)	160:11	
54:21;141:3;155:6	745 (7)	
47 (1) 94:21	75:15;90:25;94:8;96:16; 100:15;135:22;184:23	
48 (3)	78 (3)	
78:7;84:17;164:7	55:1,6;60:8	
7 017, 9 117, 910 117	22.1,0,00.0	
5	8	
5 (8)	8 (1)	
3:7;71:21;75:13;76:3;	164:19	
123:19;125:12;151:3;170:19	8,986,169 (1)	
5:27 (1)	125:11	
185:7	80 (3)	
50 (5)	55:1,7;66:6	
17:17;41:11;59:8,8;140:2	82 (1)	
51 (1) 66:12	3:9 88-1 (1)	
52 (1)	124:6	
40:20	88-2 (1)	
53 (2)	127:5	
40:20;165:2	884 (63)	
54 (1)	37:8;38:12;39:21;40:11;	
41:11 57 (1)	44:2,21;45:17,21,22;46:3,11,	
41:11	13,17,22;47:1,4,25;73:21,23; 75:15,20;80:18,22;81:11,16,	
580 (20)	20;89:21;94:4,25;95:22;96:6,	
81:4,7,12,15,21;90:24;94:7;	12,13,22;97:13;98:25;100:7;	
96:16;100:11;106:10;130:20;	107:5;109:24;110:3,5;119:11,	
131:10,14,15,22;135:21;	14;120:16;122:15;123:16,19;	
169:23;181:24;182:2;184:23	124:1;127:14;130:21;133:8,	
5th (1)	12,24;134:15;135:16;136:22;	
126:20	137:1;146:9;150:23;151:14;	
6	156:13;157:4;169:13	
V	9	
6 (13)	-	
71:5;120:19,20;121:2;	9 (4)	
123:19;124:3;126:22;127:9;	3:1;4:1;5:2;164:19	
135:4,6,6;155:7,12	9,039,580 (1)	
6' (2)	125:11	
155:7,12	90s (1)	
61 (1)	160:12 057 (1)	
151:4 62 (1)	957 (1) 62:11	
151:6	957-6 (3)	
65 (2)	62:24;63:2,7	
169:11,11	957-6:2001 (1)	
66 (1)	63:12	
151:6		
67 (1)		
125:13		