

1 UNITED STATES PATENT AND TRADEMARK OFFICE

2 _____
3 BEFORE THE PATENT TRIAL AND APPEAL BOARD
4 _____

5
6 UNIFIED PATENTS, LLC,

7 Petitioner,

8 vs.

9 MEMORY WEB, LLC,

10 Patent Owner.
11 _____

12
13 Case No. IPR2021-01413

14 Patent 10,621,228

15
16 VIDEOTAPED DEPOSITION OF GLENN REINMAN, Ph.D.

17 via videoconference

18 Thursday, August 18, 2022 10:08 a.m. EST

19
20 Job No.: 459544

21 Pages: 1 - 134

22 ReportedBy: Alison C. Webster, CSR-6266, RPR, RMR, CRR, RDR

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

A P P E A R A N C E S

ON BEHALF OF THE PETITIONER

ELLYAR BARAZESH, ESQUIRE

Unified Patents

4445 Willard Avenue

Suite 600

Chevy Chase, Maryland 20815

650.999.0889

ON BEHALF OF THE PATENT OWNER

MATTHEW A. WERBER, ESQUIRE

Nixon Peabody LLP

70 West Madison St.

Chicago, Illinois 60602

312.977.4458

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

**UNIFIED PATENTS EXHIBIT 1034
UNIFIED PATENTS, LLC v. MEMORYWEB, LLC**

IPR2021-01413

Page 2 of 170

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

T A B L E O F C O N T E N T S

Witness	Page
GLENN REINMAN, Ph.D.	
EXAMINATION	
BY MR. BARAZESH:	5
EXAMINATION	
BY MR. WERBER:	132

E X H I B I T I N D E X

Exhibit	Page
(Exhibits retained by counsel.)	
PREVIOUSLY MARKED EXHIBIT 2038	13
PREVIOUSLY MARKED EXHIBIT 1001	31
PREVIOUSLY MARKED EXHIBIT 1030	32
PREVIOUSLY MARKED EXHIBIT 1005	74
PREVIOUSLY MARKED EXHIBIT 1004	99

1 DEPOSITION OF GLENN REINMAN, Ph.D.

2 Thursday, August 18, 2022

3

4 STENOGRAPHER: The attorneys participating
5 in this deposition and the witness have verified that
6 he is Glenn Reinman, Ph.D. In lieu of an oath
7 administered in person, the witness will visually
8 affirm his testimony in this matter is under penalty
9 of perjury.

10 The parties and their counsel consent to
11 this arrangement and waive any objections to this
12 manner of reporting or admissibility of the
13 transcript.

14 If counsel would please state their
15 appearance and any objections to proceeding in this
16 manner, starting with scheduling counsel.

17 MR. BARAZESH: Ellyar Barazesh for 10:08:05
18 petitioner, Unified Patents. 10:08:05

19 MR. WERBER: Matt Werber of Nixon Peabody, 10:08:07
20 here on behalf of Memory Web. 10:08:12

21 [No objections made]

22 STENOGRAPHER: Hearing no objections,

1 Dr. Reinman, would you please raise your right hand.

2 Do you swear or affirm the testimony you
3 are about to give in this matter will be the truth,
4 the whole truth, and nothing but the truth?

5 THE WITNESS: I do.

6 STENOGRAPHER: Thank you.

7 You may proceed.

8 GLENN REINMAN, Ph.D.,
9 was thereupon called as a witness herein, and after
10 having first been duly sworn to testify to the truth,
11 the whole truth and nothing but the truth, was
12 examined and testified as follows: 10:08:34

13 MR. BARAZESH: All right. Good morning, 10:08:34

14 Mr. Reinman. How are you doing today? 10:08:36

15 THE WITNESS: Good morning. How are you? 10:08:39

16 I'm well. 10:08:40

17 MR. BARAZESH: Good. Thank you. 10:08:41

18 EXAMINATION 10:08:41

19 BY MR. BARAZESH: 10:08:41

20 Q. So just so I have it correct, can you state and spell 10:08:42

21 your full name for the record? 10:08:45

22 A. Sure. It's Glenn Reinman, G-l-e-n-n R-e-i-n-m-a-n. 10:08:46

1	Q.	Great. And you've been deposed a number of times	10:08:53
2		before; is that correct?	10:08:58
3	A.	Yes, sir.	10:09:01
4	Q.	Approximately how many times?	10:09:02
5	A.	Maybe 17, 18 times, something in that neighborhood.	10:09:04
6	Q.	And have you done any remote depositions in the past?	10:09:08
7	A.	Yes, sir.	10:09:12
8	Q.	So it's fair to say you generally know how these	10:09:13
9		depositions work. You know that you must provide	10:09:16
10		verbal answers to my questions so the court reporter	10:09:20
11		can make an accurate transcript; is that correct?	10:09:22
12	A.	Yes, sir.	10:09:25
13	Q.	And you understand your counsel may object to a	10:09:25
14		question I ask, but you still must provide an answer	10:09:28
15		unless instructed otherwise; is that correct?	10:09:31
16	A.	Yes, sir.	10:09:36
17	Q.	And if you're confused by a question that I ask, just	10:09:36
18		let me know. I'll rephrase it, I'll try to be clear,	10:09:43
19		ask it a different way. We agree on that?	10:09:46
20	A.	Understood.	10:09:47
21	Q.	Great. And I just ask that you allow me to finish my	10:09:48
22		question before giving your answer. Do you understand	10:09:53

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1	that?	10:09:54
2	A. Yes, sir.	10:09:56
3	Q. And then since we are remote today, if you experience	10:09:56
4	any connectivity issues, my audio breaks up, anything	10:10:02
5	like that, just let me know and we can try to fix	10:10:05
6	that. Sound good?	10:10:08
7	A. Definitely. Yes, sir.	10:10:09
8	Q. Okay. So where are you located today?	10:10:10
9	A. Today I am in Menlo Park.	10:10:15
10	Q. Okay. California?	10:10:17
11	A. California.	10:10:18
12	Q. Okay. And what is your current residential address?	10:10:19
13	A. Well, not where -- where I am currently or where I	10:10:25
14	reside normally?	10:10:27
15	Q. Let's do both. Where are you currently and then where	10:10:29
16	you reside.	10:10:31
17	A. Currently, I'm at the Menlo Park Inn. I don't know	10:10:31
18	what the address is, but it's a hotel.	10:10:36
19	Q. Sure.	10:10:38
20	A. And normally I reside in 1251 North Norman Place in	10:10:39
21	Los Angeles, California.	10:10:43
22	Q. Okay. And you understand you're under oath today.	10:10:44

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1	Correct?	10:10:49
2	A. Yes, sir.	10:10:50
3	Q. So you can -- we can expect that the testimony that	10:10:50
4	you give today is as truthful as testimony you would	10:10:53
5	give in a court proceeding with a judge; is that	10:10:56
6	correct?	10:10:58
7	A. Yes, sir.	10:11:00
8	Q. Is there any reason you are not able to -- strike	10:11:00
9	that.	10:11:00
10	Is there any reason you may not be able to	10:11:07
11	provide complete and truthful answers today?	10:11:09
12	A. There is no reason, sir.	10:11:11
13	Q. Are you on any kind of medication that would prevent	10:11:12
14	you from giving full and complete truthful answers?	10:11:15
15	A. No, sir.	10:11:18
16	Q. Do you have any medical conditions that would prevent	10:11:18
17	you from giving full and complete truthful testimony?	10:11:20
18	A. No, sir.	10:11:23
19	Q. And is there any other reason why you cannot provide	10:11:24
20	full and truthful testimony today?	10:11:28
21	A. No, sir.	10:11:31
22	Q. Okay. And you're connecting from a personal computer	10:11:32

1 to the deposition today; is that correct? 10:11:38

2 A. Yes, sir. 10:11:40

3 Q. And aside from the Zoom software that's running so you 10:11:40

4 can access this deposition, do you have any other 10:11:45

5 applications running on your computer like email or 10:11:47

6 messaging applications? 10:11:51

7 A. I should have turned them off, but let me confirm if 10:11:54

8 they are off. 10:11:57

9 They are off, yes, sir. 10:11:58

10 Q. Great. Thank you. And I just ask you, please keep 10:11:59

11 those off while we're on the record just in case any 10:12:02

12 notifications pop up just so you're not distracted. 10:12:10

13 Sound good? 10:12:13

14 A. Sound good. 10:12:14

15 Q. All right. And I'm going to be sharing with you 10:12:15

16 exhibits through Zoom and that will probably open up 10:12:16

17 Adobe or some other pdf viewer. That's fine to have 10:12:18

18 it open. 10:12:24

19 So do you have any other electronic device 10:12:24

20 in the room with you today like a cell phone, anything 10:12:26

21 like that? 10:12:29

22 A. No, sir. 10:12:30

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1	Q.	And are there any other people in the room with you	10:12:31
2		today?	10:12:35
3	A.	No, sir.	10:12:36
4	Q.	Do you have any handwritten notes with you today?	10:12:36
5	A.	No, sir.	10:12:38
6	Q.	Okay. So I like to take a break about every hour or	10:12:39
7		so. Let me know if you need a break before that. I	10:12:43
8		just ask that you answer any pending questions before	10:12:47
9		we take a break. Sound good?	10:12:50
10	A.	Yes, sir.	10:12:53
11	Q.	All right. So you understand that the testimony today	10:12:53
12		will be used in IPR2021-01413, Unified Patents, LLC,	10:12:57
13		versus Memory Web, LLC. Correct?	10:13:03
14	A.	I understand that, yes.	10:13:06
15	Q.	Okay. And you understand that IPR2021-01413 concerns	10:13:07
16		U.S. Patent 10,621,228. Correct?	10:13:14
17	A.	Yes, sir.	10:13:18
18	Q.	And so I'm going to refer to that U.S. patent as the	10:13:18
19		'228 patent. You'll understand I'm making that	10:13:24
20		reference. Correct? When I say '228 patent, I'm	10:13:29
21		referring to U.S. Patent 10,621,228.	10:13:31
22	A.	Yes, sir.	10:13:38

1 Q. And you also understand -- just more ground rules 10:13:39
2 here. If I say POSITA, P-O-S-I-T-A, I'm referring to 10:13:40
3 a person of ordinary skill in the art at the time of 10:13:44
4 the invention of the '228 patent. Correct? 10:13:47
5 A. Correct. 10:13:50
6 Q. Okay. When did you start working on IPR2021-01413 for 10:13:50
7 Memory Web? 10:14:01
8 A. You know, I don't remember when we started on this. 10:14:09
9 It had to be I would think maybe late last year, but 10:14:11
10 I'm not sure. 10:14:15
11 Q. Okay. And have you provided any expert consulting 10:14:16
12 services for Memory Web prior to this proceeding, 10:14:19
13 IPR2021-01413? 10:14:27
14 A. There's another IPR. I guess it started before this. 10:14:30
15 I'm not -- I'm not sure on the timing. I can tell 10:14:35
16 you I had not provided anything before this specific 10:14:40
17 case with Memory Web with this particular firm, but I 10:14:43
18 don't remember the ordering of when I started which 10:14:49
19 one first or second. 10:14:51
20 Q. Okay. So are you providing any expert consulting 10:14:52
21 services for Memory Web in any district court 10:14:55
22 litigation? 10:14:57

1 A. I think it's all IPR at this point. I believe that's 10:15:02
2 the case. 10:15:08
3 Q. Okay. And do -- have you sat for any depositions or 10:15:08
4 submitted declarations in those other IPR matters for 10:15:13
5 Memory Web? 10:15:21
6 A. Yes. That's true. There have been -- I have, yes. 10:15:21
7 Q. So would it be fair to say that you stand by the 10:15:30
8 opinions in those other declarations and potentially 10:15:33
9 other depositions for Memory Web in those other IPR 10:15:40
10 matters? 10:15:42
11 MR. WERBER: Objection. Vague. 10:15:43
12 A. A small part of that broke up, the middle part. 10:15:45
13 Could you please repeat? 10:15:48
14 BY MR. BARAZESH: 10:15:48
15 Q. Sure, I can rephrase. 10:15:49
16 So for the other IPR matters for 10:15:51
17 Memory Web, would it be fair to say that you stand by 10:15:54
18 your opinions in the declarations that you've 10:15:58
19 submitted? 10:16:00
20 MR. WERBER: Same objections. 10:16:02
21 A. Yeah, I -- in any declaration that I submit, I stand 10:16:05
22 by my opinions. I would have to look at the 10:16:10

1 individual opinions to see if there's anything that 10:16:13
2 has changed or I feel is different. But certainly, 10:16:17
3 when I wrote it, I stood by my opinion at that point. 10:16:19
4 BY MR. BARAZESH: 10:16:22
5 Q. Okay. And just another quick definition. 10:16:22
6 So you would agree that for the '228 10:16:26
7 patent, the time of invention we're focused on is 10:16:29
8 June 9th, 2011; is that correct? 10:16:33
9 A. I know I put that in my report. That sounds right. 10:16:37
10 But, you know, if I'm going to be answering as 10:16:42
11 completely as possible, I would want to check that 10:16:45
12 with the report. 10:16:47
13 Q. Sure. 10:16:49
14 MR. BARAZESH: So this is a good moment to 10:16:49
15 introduce your report. So I'm going to put in the 10:16:52
16 chat, Exhibit 2038. This is titled the Declaration of 10:16:55
17 Professor Glenn Reinman, Ph.D., in support of a POR. 10:17:07
18 INTRODUCED INTO THE RECORD: 10:17:31
19 PREVIOUSLY MARKED EXHIBIT 2038 10:17:31
20 10:17 a.m. 10:17:31
21 BY MR. BARAZESH: 10:17:31
22 Q. Let me know when you see it and you open it. I just 10:17:11

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 put it in the chat. 10:17:16

2 A. I see it and I'm opening it. 10:17:34

3 Q. Okay. 10:17:34

4 A. Okay. It's open, which, as we mentioned before, has 10:17:50

5 opened Acrobat onto my screen. 10:17:54

6 Q. Okay. 10:17:57

7 A. Just so we're all aware that I have another app open 10:17:58

8 now. 10:18:00

9 Q. Sounds good. 10:18:01

10 Okay. So do you recognize this document? 10:18:03

11 A. Yes, sir. 10:18:05

12 Q. Okay. You agree that this is your declaration, 10:18:06

13 Exhibit 2038. Correct? 10:18:11

14 A. I haven't looked at every page, but it certainly 10:18:15

15 appears to be, yes, sir. 10:18:19

16 Q. Okay. So go ahead and turn to document page 73, pdf 10:18:20

17 page 74, right after paragraph 178. You should see 10:18:24

18 your signature. 10:18:33

19 A. Yes, sir. 10:18:34

20 Q. And you confirm that that is your signature? 10:18:35

21 A. It is. 10:18:40

22 Q. Okay. So I'm going to refer to this document as your 10:18:40

1 declaration. You'll understand it to be Exhibit 2038 10:18:43
2 in this proceeding. Correct? 10:18:47
3 A. Yes, sir. 10:18:49
4 Q. What was your hourly rate for consulting with Memory 10:18:49
5 Web in this proceeding? 10:18:53
6 A. I think it was 750 per hour, if I remember correctly. 10:18:56
7 Q. Did you have a dollar amount budget for preparing your 10:19:00
8 declaration? 10:19:03
9 A. No, sir. 10:19:04
10 Q. Okay. Approximately how many hours did you spend 10:19:05
11 preparing your declaration? 10:19:09
12 A. I honestly don't recall, sir. 10:19:19
13 Q. So not an approximation like 40 hours, 30 hours? 10:19:22
14 A. That could be a rough approximation. That seems 10:19:31
15 within the ballpark, but I just don't remember the 10:19:34
16 exact amount of time. 10:19:36
17 Q. Okay. Do you think you needed more time to prepare 10:19:37
18 your declaration? 10:19:40
19 A. No, sir. I took all the time that I need. 10:19:41
20 Q. Okay. And did you write the declaration yourself? 10:19:44
21 A. In terms of the content, I did get help with some of 10:19:46
22 the wordsmithing on certain legal terms from Nixon, 10:19:52

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 but the content came from me and I stand by it. 10:19:58

2 Q. Who did you work with to prepare your declaration? 10:20:03

3 A. In addition to Matthew Werber, who's on the line 10:20:07

4 here; Angelo, I think his last name is Christopher; 10:20:12

5 and Jennifer Hayes. 10:20:21

6 Q. So would it be fair to say that the attorneys you 10:20:25

7 worked with prepared the declaration initially and 10:20:30

8 then you reviewed it and made any changes that you 10:20:35

9 felt necessary? 10:20:38

10 A. No, I wouldn't say it that way. 10:20:43

11 Q. So how would you describe the process used to prepare 10:20:44

12 your declaration? 10:20:48

13 MR. WERBER: If I can jump in for a minute 10:20:51

14 just to advise the witness not to reveal any 10:20:53

15 privileged or, you know, work product confidences. 10:20:56

16 THE WITNESS: Yeah. 10:21:02

17 MR. WERBER: If there is a, you know, 10:21:03

18 general description of, you know, what happened during 10:21:04

19 preparation, we can stick with that. 10:21:07

20 MR. BARAZESH: Yeah, absolutely. 10:21:12

21 BY MR. BARAZESH: 10:21:13

22 Q. So to the extent you do not reveal any confidential 10:21:13

1 privileged information, what was the process that you 10:21:20

2 used to prepare your declaration? 10:21:23

3 A. I came up with content. In terms of, you know, what 10:21:25

4 formal parts are required, a discussion of, for 10:21:28

5 example, what legal standards I abided by, that sort 10:21:33

6 of thing, I definitely needed help in, you know, 10:21:38

7 properly articulating those legal standards. 10:21:43

8 But in terms of the content portion, I 10:21:47

9 wrote that and the lawyers helped with any 10:21:52

10 wordsmithing or, you know, formatting that would need 10:21:53

11 to be put into document cites, that sort of thing. 10:21:57

12 When I say I want to cite to this, they would put it 10:22:01

13 in a particular format. But the content originated 10:22:04

14 from me. 10:22:09

15 Q. Okay. So to the extent there were any areas of your 10:22:10

16 declaration -- scratch that. 10:22:13

17 So are you aware that your declaration was 10:22:16

18 used as support for the patent owner response 10:22:18

19 Memory Web filed in this proceeding? 10:22:23

20 A. Yes, sir. 10:22:26

21 Q. And when you were preparing your declaration, did you 10:22:26

22 review the patent owner response that Memory Web filed 10:22:31

1 in this proceeding? 10:22:34

2 A. I don't remember reviewing it as I was preparing the 10:22:44

3 declaration. I know I've looked at it since then, 10:22:49

4 but I don't remember reviewing it when I was writing 10:22:53

5 the declaration. 10:22:56

6 Q. Okay. So to the extent there are any portions of your 10:22:59

7 declaration that are word-for-word copies of the 10:23:04

8 patent owner response, what would be the cause -- 10:23:08

9 well, scratch that question. 10:23:16

10 To the extent there are portions of your 10:23:18

11 declaration and the patent owner response that are 10:23:21

12 exactly the same, why would that be? 10:23:23

13 MR. WERBER: Objection. Vague. 10:23:28

14 A. I'm not sure, in terms of the timing, which came 10:23:30

15 first. I don't know. 10:23:34

16 BY MR. BARAZESH: 10:23:37

17 Q. Okay. So let's turn to paragraph 32 of your 10:23:37

18 declaration. Let me know when you're there. 10:23:43

19 A. 32... This is starting with, "I understand that each 10:23:55

20 alleged prior art reference"? 10:24:01

21 Q. Correct. Yes. 10:24:03

22 A. Okay. 10:24:04

1 Q. So you can go ahead and read that. Not -- you don't 10:24:04
2 have to read it for the record, but just you can go 10:24:08
3 ahead and review that paragraph, if you would like. 10:24:10
4 Let me know when you're ready. 10:24:18
5 A. I do remember that, yes. Okay. 10:24:22
6 Q. So you would understand the paragraph 32 of your 10:24:24
7 declaration means that each reference of a proposed 10:24:31
8 combination must be evaluated in its entirety and 10:24:33
9 considered for everything it teaches; is that correct? 10:24:36
10 A. I think that's correct, yes, sir. 10:24:42
11 Q. You've reviewed Exhibit 1004 in this proceeding, 10:24:46
12 referred to as Okamura; is that correct? 10:24:51
13 A. Yes, sir. 10:24:58
14 Q. So you would agree that Okamura must be evaluated in 10:24:58
15 its entirety and considered for everything it teaches; 10:25:02
16 is that correct? 10:25:05
17 MR. WERBER: Objection. Calls for a legal 10:25:08
18 conclusion. 10:25:12
19 A. It's my understanding that that is the evaluation, 10:25:12
20 but I'm certainly not a lawyer. 10:25:17
21 BY MR. BARAZESH: 10:25:21
22 Q. But just in view of this paragraph where you say you 10:25:23

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 "understand each alleged prior art reference in a 10:25:25
2 proposed obviousness combination must be evaluated as 10:25:28
3 an entirety" -- 10:25:31
4 MR. WERBER: Objection. 10:25:34
5 [Simultaneous Speaking] 10:25:35
6 A. Sorry, I -- 10:25:36
7 BY MR. BARAZESH: 10:25:36
8 Q. Sorry, go -- sorry -- 10:25:36
9 A. Sorry. I'm [audio distortion] conflicting [audio 10:25:38
10 distortion]. The initial part broke up, and I didn't 10:25:38
11 want to cut you off, so I'm sorry to make you repeat. 10:25:38
12 The first part of your question broke up. 10:25:38
13 (Off the record at 10:25 a.m.) 10:25:38
14 (Back on the record at 10:26 p.m.) 10:26:45
15 BY MR. BARAZESH: 10:26:45
16 Q. So paragraph 32 says, "I understand that each alleged 10:26:46
17 prior art reference in a proposed obviousness 10:26:49
18 combination must be evaluated as an entirety." 10:26:51
19 You agree with that? 10:26:56
20 MR. WERBER: Objection. Form. Foundation. 10:26:57
21 A. I mean, that's my understanding of how we're supposed 10:27:00
22 to treat prior art references, so I think that that's 10:27:05

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1	fair.	10:27:07
2	BY MR. BARAZESH:	10:27:09
3	Q. Okay. So the question is, so you would agree that	10:27:09
4	Okamura must be evaluated in its entirety?	10:27:14
5	MR. WERBER: Same objection.	10:27:21
6	A. Well, I guess it depends on what the conclusion from	10:27:23
7	that is. I certainly think that the reference as a	10:27:27
8	whole should be considered.	10:27:32
9	But as an example, if there were multiple	10:27:35
10	embodiments that were contradictory, then, you know,	10:27:40
11	you don't just merge them together; you do consider	10:27:45
12	the entirety of the document, but you consider how	10:27:48
13	that entirety fits together.	10:27:54
14	BY MR. BARAZESH:	10:27:58
15	Q. But as you just mentioned, you considered the entirety	10:27:58
16	of the document. Correct?	10:28:01
17	A. You certainly consider the entirety of the document.	10:28:06
18	But you still look at logically how things would fit	10:28:09
19	together, but you do consider it, yes.	10:28:13
20	Q. Okay. So let's now look at paragraph 7 of your	10:28:15
21	declaration. This is where you talk about your	10:28:22
22	background.	10:28:25

1 A. Paragraph 7. 10:28:30

2 Q. Yeah. So it starts at -- well, it actually starts at 10:28:31

3 paragraph 4, but we can start at paragraph 7. And, 10:28:35

4 actually, let's go to paragraph 8. My apologies. 10:28:44

5 A. Sorry. Paragraph what? 10:28:49

6 Q. Paragraph 8, where it says, "I began my career with 10:28:50

7 summer internships at Intel and Compaq." 10:28:53

8 So tell me about those internships, what 10:28:56

9 type of projects were you working on, what type of 10:29:00

10 technology. 10:29:03

11 A. Sure. So at Intel, I was researching microprocessor 10:29:03

12 architecture and, in particular, I was looking at 10:29:12

13 [audio distortion] -- 10:29:15

14 Q. I think you're breaking up a little bit, Dr. Reinman. 10:29:15

15 STENOGRAPHER: Yeah. 10:29:18

16 A. -- simulation frameworks that we would evaluate 10:29:18

17 [audio distortion]. 10:29:18

18 Should I repeat the whole answer? 10:29:18

19 BY MR. BARAZESH: 10:29:29

20 Q. Yeah, I would. That would be great. 10:29:29

21 A. I was looking at architecture, and in particular I 10:29:30

22 was looking at long instruction traces and trying to 10:29:34

1 use those traces as a way of evaluating different 10:29:37
2 applications, in Windows applications in particular. 10:29:42
3 Q. Okay. So it was -- sorry, it kind of broke up a 10:29:46
4 little bit for me again there. 10:29:51
5 So you said traces in Windows applications? 10:29:54
6 A. I was evaluating traces of instructions and putting 10:29:57
7 them through a simulation infrastructure to model 10:30:01
8 different types of hardware. 10:30:06
9 Q. Okay. So traces of -- so can you explain what that 10:30:07
10 is, "traces of instructions"? 10:30:11
11 A. Sure. Let's say we're running an application and as 10:30:14
12 we run the application, different -- 10:30:21
13 THE WITNESS: Sorry? 10:30:21
14 STENOGRAPHER: Let's go off the record for 10:30:21
15 a minute here. 10:31:22
16 (Off the record at 10:31 a.m.) 10:31:22
17 (On the record at 10:34 a.m.) 10:34:20
18 BY MR. BARAZESH: 10:34:20
19 Q. Okay. So we're at paragraph 8 of your declaration, 10:34:21
20 Dr. Reinman. You were discussing your experiences at 10:34:25
21 Intel and Compaq and mentioning some of the projects 10:34:31
22 that you worked on. Could you discuss those projects 10:34:35

1	that you worked on again here at Intel and Compaq?	10:34:43
2	A. Sure. So at Intel, I was dealing with instruction	10:34:46
3	traces from Windows. Instruction traces being, if	10:34:50
4	you run an application in Windows and you were to	10:34:56
5	record every instruction that goes to the	10:34:59
6	microprocessor, you could have a trace of all the	10:35:04
7	steps that were taken in executing a particular	10:35:06
8	application.	10:35:08
9	And then you could use that trace to model	10:35:09
10	either a microprocessor architecture's behavior or	10:35:15
11	some software system behavior, something that you're	10:35:18
12	trying to measure. In particular, I was looking at	10:35:21
13	branch prediction, determining control flow for a	10:35:27
14	program.	10:35:29
15	And then you also asked about Compaq. At	10:35:30
16	Compaq, I was dealing with cache analysis, analytical	10:35:32
17	tools for figuring out the timing, power, and area of	10:35:38
18	caching, small fast memories that we use on	10:35:42
19	microprocessors, for example.	10:35:46
20	Q. Okay. So then paragraph 9, you talk -- of your	10:35:48
21	declaration, you talk about your experience as a	10:36:03
22	research assistant at the University of California at	10:36:05

1	San Diego. What projects were you working on there?	10:36:10
2	A. I started actually in artificial intelligence, and I	10:36:17
3	worked in that field for a quarter, and then I moved	10:36:21
4	to distributed systems. I worked in that field for a	10:36:23
5	quarter, and then ultimately I settled on the, sort	10:36:26
6	of, space in microprocessor architecture and	10:36:30
7	compilation.	10:36:34
8	I worked in that space on a number of	10:36:35
9	things, including a unique front-end fetch unit that	10:36:40
10	would be used to improve microprocessor	10:36:44
11	architectures.	10:36:46
12	Q. Sorry, what was the name of that unit?	10:36:47
13	A. It was a fetch -- it was a fetching.	10:36:51
14	Q. Fetching unit. Okay.	10:36:55
15	A. It's on -- I think it's on the third line of	10:36:57
16	paragraph 9 -- third line from the bottom, sorry, of	10:37:04
17	paragraph 9.	10:37:06
18	Q. Got it. Okay. And then it looks like, in	10:37:07
19	paragraph 10, you mentioned you started at -- you	10:37:09
20	started in 2002 teaching computer science classes at	10:37:12
21	UCLA.	10:37:20
22	A. Right. I --	10:37:20

1 Q. Go ahead. 10:37:21

2 A. I started teaching in 2002. I started at UCLA in 10:37:22

3 2001, but I didn't start teaching until 2002. They 10:37:27

4 give you the first quarter off. 10:37:31

5 Q. Okay. And then paragraph 11, you say, "From 2011 to 10:37:33

6 2022, I designed, implemented, and maintained multiple 10:37:38

7 websites outside of UCLA including multimedia 10:37:42

8 content." 10:37:48

9 So tell me about that. What type of 10:37:49

10 websites were you maintaining and designing and 10:37:52

11 implementing? 10:37:54

12 A. So these were websites that host content for parents 10:37:59

13 at a elementary school in Los Angeles, and later also 10:38:06

14 pre-elementary school, for parents to sign up for 10:38:12

15 different activities; for parents to buy different 10:38:15

16 types of goods for the schools, support the school; 10:38:20

17 for parents to get their children's schedules, that 10:38:23

18 sort of thing. 10:38:25

19 So a lot of multimedia as well for them to 10:38:29

20 be able to get videos and photos from different 10:38:32

21 things that happened at the school, that sort of 10:38:35

22 content. 10:38:39

1 Q. Okay. So the website had included multimedia content, 10:38:39
2 photos and videos that parents could download; is that 10:38:45
3 correct? 10:38:50

4 A. Yeah, we usually allowed people to download. In some 10:38:52
5 cases we had to provide -- I think there was one time 10:38:56
6 when the video was not allowed to be downloaded. But 10:38:59
7 in most cases it was a way for parents to get that 10:39:02
8 content. 10:39:05

9 There were also things like signing up for 10:39:06
10 after-school classes, so it was kind of a mercantile 10:39:08
11 sort of aspect. There was a shop for goods. There 10:39:12
12 were needs for posting different content for the 10:39:17
13 school. There were, maybe, maps if we had to provide 10:39:22
14 directions to a particular school event. That sort 10:39:25
15 of thing. 10:39:28

16 Q. So it sounds like, generally, a portal for parents or 10:39:28
17 people associated with a school to get information on 10:39:32
18 the school, various products associated with classes, 10:39:36
19 stuff like that; is that correct? 10:39:41

20 MR. WERBER: Object to form. 10:39:45

21 A. Yeah, I mean, I don't know about "portal," but it was 10:39:46
22 a -- it was a pretty fully functional -- I mean, 10:39:52

1 these are two different schools that I did -- pretty 10:39:54
2 functional website that had to be designed. 10:39:57
3 So, I mean, I would -- I would probably 10:40:00
4 say more of a site than a portal, but, yeah, I mean, 10:40:02
5 it was -- it was more for the parents. The kids, 10:40:07
6 obviously, were a little young for that, so it was 10:40:10
7 more for the parents. 10:40:12
8 BY MR. BARAZESH: 10:40:13
9 Q. Sure. When in -- strike that. 10:40:13
10 When in 2011 did you start working on those 10:40:16
11 websites? 10:40:19
12 A. I would think it would have been midyear. I would 10:40:29
13 guess maybe June, something like that, but I don't 10:40:36
14 really remember. 10:40:41
15 Q. Okay. So let's go to paragraph 44 of your 10:40:41
16 declaration. 10:40:54
17 A. 44. Okay. 10:40:54
18 Q. Let me know when you're there. 10:40:58
19 A. And by the way, I suspect you'll tell me, but as of 10:41:03
20 right now, on my screen, I just have the pdf, and so 10:41:08
21 I don't actually see any of the Zoom right now. So 10:41:13
22 if at some point you share something, just let me 10:41:16

1 know so I can make sure I switch back to it. 10:41:18

2 Q. Yeah, sure thing. Thanks for letting me know. 10:41:28

3 A. Sure. I'm at 44. 10:41:30

4 Q. Okay. And paragraph 44, you say that you assume the 10:41:33

5 effective filing date or time of invention for 10:41:37

6 Claims 1 through 7 of the '228 patent is June 9th, 10:41:40

7 2011; is that correct? 10:41:45

8 A. Yes. 10:41:48

9 Q. Okay. And then you also say, in paragraph 44, "my 10:41:48

10 views and opinions herein will be the same regardless 10:41:54

11 of whether the effective filing date is June 9th, 10:41:57

12 2011, or February 28, 2014." 10:42:01

13 Is that correct? 10:42:03

14 A. Yes, sir. 10:42:07

15 Q. Why do you mention the date February 28, 2014, in 10:42:07

16 paragraph 44 of your declaration? 10:42:12

17 A. I was told, in the previous paragraph, that there was 10:42:17

18 a claim through another patent that this '228 patent 10:42:22

19 had claimed priority to that was filed on a different 10:42:31

20 date, and so I just wanted to make sure that it was 10:42:34

21 clear that regardless of which -- I don't know who 10:42:36

22 decides, if it's the board or some other entity, or 10:42:39

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 maybe you-all make an agreement -- regardless of 10:42:42
2 which one is determined to be the priority date, my 10:42:46
3 opinions are the same for both of those two dates. 10:42:49
4 Q. Okay. Did you -- so I -- so in paragraph 43, you 10:42:53
5 refer to that application with the February 28, 2014, 10:43:00
6 priority date as U.S. Patent Application 10:43:05
7 Number 14/193,426; is that correct? 10:43:12
8 A. I do see that, yes, sir. That's correct. 10:43:15
9 Q. Did you review that patent application? 10:43:18
10 A. I think I may have, but I don't recall. 10:43:24
11 Q. Okay. And you agree that you've reviewed the '228 10:43:29
12 patent. Correct? 10:43:33
13 A. Yes, sir. 10:43:36
14 Q. Okay. 10:43:37
15 A. Yes, sir. 10:43:38
16 Q. So do you think that there are some aspects of the 10:43:40
17 '228 patent claims that are not present in U.S. 10:43:44
18 Application 13/157,214 but are present in U.S. Patent 10:43:55
19 Application 14/193,426? 10:44:05
20 MR. WERBER: Objection. Foundation. 10:44:07
21 Scope. 10:44:09
22 A. I don't think I formed an opinion on that. I don't 10:44:14

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 remember doing that analysis, so I'm not -- I'm not 10:44:17
2 sure. 10:44:21
3 BY MR. BARAZESH: 10:44:23
4 Q. But it's a possibility since two different filing 10:44:24
5 dates are listed in your declaration; is that correct? 10:44:27
6 MR. WERBER: Objection to form. 10:44:33
7 A. I don't know -- I don't think I have an opinion 10:44:41
8 that -- one way or the other, and I wouldn't want to 10:44:43
9 say something is possible as a way of embracing it 10:44:45
10 only that I just don't know. 10:44:52
11 BY MR. BARAZESH: 10:44:57
12 Q. Okay. Fair enough. So I'm going to introduce a 10:44:57
13 couple of documents now, so go ahead and open up Zoom 10:44:59
14 so you can get them. 10:45:02
15 So the first one is Exhibit 1001. This is 10:45:05
16 U.S. Patent 10,621,228. I'm going to just put that in 10:45:09
17 the chat right now. It might take a while to 10:45:14
18 download. Let me know when you have it. 10:45:18
19 INTRODUCED INTO THE RECORD: 10:45:21
20 PREVIOUSLY MARKED EXHIBIT 1001 10:45:21
21 10:45 a.m. 10:45:24
22 A. I'm starting to download now. 10:45:24

1	And it's downloaded.	10:45:30
2	BY MR. BARAZESH:	10:45:32
3	Q. Okay. So go ahead and open it.	10:45:32
4	A. Okay. It's open.	10:45:35
5	Q. All right. So do you recognize this document?	10:45:36
6	A. Yes. This is the '228 patent.	10:45:41
7	Q. Okay. And now I'm going to introduce another document	10:45:43
8	into the chat. This is Exhibit 1030. This is the	10:45:47
9	redacted patent owner's response. So this is the	10:45:54
10	version of the patent owner's response filed by	10:46:02
11	Memory Web with the confidential information redacted.	10:46:05
12	This was filed by Unified in this proceeding, with a	10:46:11
13	motion to seal, redacting the confidential	10:46:15
14	information.	10:46:17
15	INTRODUCED INTO THE RECORD:	10:46:18
16	PREVIOUSLY MARKED EXHIBIT 1030	10:46:18
17	10:46 a.m.	10:46:21
18	A. Okay. I've opened that as well.	10:46:21
19	BY MR. BARAZESH:	10:46:23
20	Q. Sure. And do you recognize this document?	10:46:24
21	A. I think I've seen this before. Yes.	10:46:30
22	Q. Okay. So let's go to the exhibit -- strike that.	10:46:35

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 When I refer to the patent owner response 10:46:48
2 during our deposition, I'm going to be referring to 10:46:50
3 Exhibit 1030. Does that sound good? 10:46:53
4 A. Okay. 10:46:56
5 Q. So let's go to the patent owner response, the POR, and 10:46:57
6 let's turn to page 28 of that. This is -- and this 10:47:06
7 would be pdf page 38. 10:47:16
8 A. Got it. 10:47:21
9 Q. Okay. And it starts -- 10:47:22
10 A. I'm there. 10:47:25
11 Q. You're there? Great. 10:47:25
12 And it starts with, "The '228 patent 10:47:27
13 discloses an exemplary embodiment." 10:47:29
14 Is that correct? Just so we're at the same 10:47:33
15 place. 10:47:35
16 A. Yes, sir. 10:47:35
17 Q. Okay. So you see that, in the second sentence of that 10:47:36
18 paragraph, it states, "To see locations a 'specific 10:47:41
19 person has been,' a user may select Locations 1443 10:47:47
20 (first input)." 10:47:54
21 And then it cites to Exhibit 1001 at column 10:47:55
22 43, lines 34 through 35; is that correct? 10:47:59

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 A. Yes, sir. 10:48:04

2 Q. So let's go ahead and open up your declaration. It's 10:48:08

3 Exhibit 2038 that I previously shared. And let's go 10:48:13

4 to paragraph 76 of your declaration. 10:48:20

5 Let me know when you're there. 10:48:31

6 A. I'm there. Yep. 10:48:33

7 Q. Okay. And you see, in paragraph 76, it states, "The 10:48:34

8 '228 patent discloses an exemplary embodiment 10:48:40

9 consistent with the expressed words recited in the 10:48:45

10 claim." 10:48:48

11 Is that correct? 10:48:49

12 A. Yes, sir. 10:48:51

13 Q. And then the next sentence, "To see locations a 10:48:52

14 'specific person has been' tagged with, a user may 10:48:55

15 select Locations 1443 (first input)." Correct? 10:48:59

16 A. Correct. 10:49:05

17 Q. And then you cite to Exhibit 1001, column 43, lines 34 10:49:05

18 through 35; is that correct? 10:49:11

19 A. Yes, that's correct. 10:49:23

20 Q. Let's open up Exhibit 1001 of the '228 patent. 10:49:24

21 A. Okay. I see that. I'm there. 10:49:28

22 Q. Does the '228 patent have a column 43? 10:49:31

1	A.	Let me find it.	10:49:36
2		It does not.	10:49:53
3	Q.	Okay. So you agree that the citation to column 43 in	10:49:54
4		your declaration and in the patent owner response is	10:49:59
5		incorrect?	10:50:02
6	A.	It certainly seems to be. It certainly seems to be,	10:50:09
7		yes.	10:50:16
8	Q.	So you agree that your declaration contains an	10:50:16
9		inaccuracy?	10:50:19
10	A.	At least an inaccurate citation. In this particular	10:50:23
11		case, that's fair.	10:50:27
12	Q.	Why do you think the patent owner response in your	10:50:30
13		declaration both have the same incorrect citation for	10:50:32
14		the same sentence?	10:50:35
15	A.	I can only speculate, but I believe I probably put	10:50:41
16		the wrong citation, and then when it was incorporated	10:50:44
17		into both of these particular documents, it was	10:50:49
18		copied -- it was -- well, I don't think it was copied	10:50:53
19		incorrectly. I probably put the wrong citation to	10:50:56
20		begin with, but that was kept in both documents.	10:50:59
21	Q.	Did you personally prepare paragraph 76 of your	10:51:03
22		declaration or did somebody else prepare it?	10:51:06

1 A. I think I prepared -- I don't remember the exact 10:51:11
2 ordering of who made the last edit, but I certainly 10:51:17
3 contributed the content for what I was trying to cite 10:51:20
4 to. And then if there were any edits as far as 10:51:25
5 wordsmithing, I certainly would have approved and 10:51:28
6 made sure that I embraced it before submitting 10:51:31
7 anything. 10:51:35
8 Q. Understood. 10:51:39
9 So in terms of your deposition today, what 10:51:41
10 did you do to prepare? 10:51:43
11 A. I spoke with Mr. Werber, I read through my 10:51:49
12 declaration, and I think I looked over Okamura. 10:51:59
13 Q. Did you look at any other materials? 10:52:14
14 A. I think that's it. 10:52:22
15 Q. And did you meet with anyone else other than 10:52:22
16 Mr. Werber? 10:52:25
17 A. Nope. 10:52:26
18 Q. How long did you prepare for your deposition today? 10:52:27
19 A. Maybe something on the order of a few hours. I guess 10:52:36
20 we could ballpark it at maybe ten, something -- 10:52:44
21 wouldn't think it would be more than that. 10:52:46
22 Q. Okay. So approximately ten hours; is that correct? 10:52:48

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 A. Ballpark, yes. Yes, sir. 10:52:53

2 Q. Okay. And when did you prepare? 10:52:55

3 A. Over the course of the last week or so. 10:53:04

4 Q. Okay. So starting Monday this past week and then over 10:53:06

5 the next couple days until today? Does that sound 10:53:11

6 accurate? 10:53:15

7 A. It may have been sometime in the latter half of the 10:53:21

8 previous week. It wasn't a continuous process, so I 10:53:23

9 think maybe over the last two weeks, something on the 10:53:28

10 order of ten hours. 10:53:31

11 Q. Okay. Fair enough. So let's look at paragraph 18 of 10:53:32

12 your declaration. Let me know when you're there. 10:53:38

13 A. Under the Materials Considered. I'm there. 10:53:58

14 Q. Okay. And so paragraph 18 lists all of the materials 10:54:00

15 that you considered in forming your opinions of your 10:54:07

16 declaration; is that correct? 10:54:09

17 A. I believe this is everything I considered, that's 10:54:22

18 correct, yes, sir. 10:54:27

19 Q. Was there anything else that you considered when 10:54:29

20 forming the opinions of your declaration? 10:54:32

21 MR. WERBER: Objection. Form. 10:54:35

22 A. Well, in terms of my knowledge of the art, I guess -- 10:54:43

1 oh, that's in here too. I did list that. I think 10:54:50
2 everything is in here, sir. 10:54:54
3 BY MR. BARAZESH: 10:54:55
4 Q. Okay. All right. We can move on. 10:54:56
5 So let's go back to the '228 patent, 10:55:06
6 Exhibit 1001. 10:55:13
7 A. I'm there. 10:55:18
8 Q. And let's go down to column 35, line 32. This is 10:55:19
9 about where Claim 1 starts. Let me know when you get 10:55:28
10 there. 10:55:37
11 A. Yes, sir. I'm there. 10:55:38
12 Q. Okay. Claim 1 recites a map view. Do you agree? 10:55:41
13 A. Among other things, yes, sir. 10:55:50
14 Q. And Claim 1 recites a first location view and a second 10:55:52
15 location view. Do you agree with that? 10:55:55
16 A. I think that's fair, yes, sir. 10:56:06
17 Q. And Claim 1 also recites a people view as well; is 10:56:08
18 that correct? 10:56:13
19 A. Yes, sir. 10:56:17
20 Q. So in Claim 1 and the '228 patent, do you agree that 10:56:20
21 the term "view" is used to refer to interfaces that 10:56:27
22 are presented to a user? 10:56:32

1 MR. WERBER: Objection. Form. 10:56:35

2 A. And that sounds like a definition. I don't know if 10:56:49

3 there's a definition. Is that something that I 10:56:53

4 included in my report or that the patent expressly 10:56:55

5 says? I'm just trying to recall what the source of 10:56:58

6 that would be. 10:57:04

7 BY MR. BARAZESH: 10:57:05

8 Q. Well, let's -- so maybe I can ask the question another 10:57:05

9 way. What does the term "view," as used in Claim 1 of 10:57:08

10 the '228 patent, mean to you? 10:57:13

11 MR. WERBER: Objection. Form and 10:57:17

12 foundation. 10:57:24

13 A. So I didn't, as part of my effort, endeavor to form a 10:57:24

14 construction for individual terms. I was asked to 10:57:32

15 reply to Dr. Bederson's report, and I didn't look to 10:57:34

16 try to figure out the metes and bounds of the view. 10:57:39

17 I think I have a good understanding of what a view 10:57:42

18 entails from reading the patent, but I have not 10:57:46

19 prepared a definition that I would want to give in a 10:57:48

20 court. 10:57:52

21 So I would need to -- I would need to come 10:57:53

22 up with a definition that I think would be 10:57:56

1 reasonable, and I haven't -- I haven't endeavored to 10:57:58

2 include that instruction in my report. 10:58:02

3 BY MR. BARAZESH: 10:58:06

4 Q. Okay. So you just mentioned you have an understanding 10:58:06

5 of what the term "view" means in view of the patent. 10:58:09

6 Can you share that understanding today? 10:58:16

7 MR. WERBER: Objection. Form. Foundation. 10:58:18

8 A. I think I can share it by replying to Dr. Bederson, 10:58:22

9 but, you know, since this is a testimony as if I were 10:58:29

10 in a court of law, I would want to have prepared a 10:58:33

11 response by making sure that I don't leave out or 10:58:36

12 improperly bound what "view" could mean. 10:58:41

13 I know that if I -- if I were to give 10:58:46

14 something today here during this deposition, it would 10:58:49

15 be as if I'm defining the term, and I haven't 10:58:51

16 endeavored to try to articulate that and make sure 10:58:54

17 that I cover the full metes and bounds of what that 10:58:58

18 term means. 10:59:02

19 BY MR. BARAZESH: 10:59:03

20 Q. So are you aware of what the term "view" means 10:59:08

21 generally? 10:59:10

22 A. In general, if we're talking outside the scope of the 10:59:17

1 patent, there are a number of different ways that 10:59:20
2 that could be interpreted, but I believe that the 10:59:22
3 '228 is defining that term in a specific way, and I 10:59:29
4 just want to be careful about providing the full 10:59:33
5 context of it. 10:59:36

6 Q. So your understanding of the '228 patent is that it 10:59:37
7 defines the term "view" in the patent? 10:59:44

8 MR. WERBER: Objection. Form. Foundation. 10:59:47

9 A. I don't think I say that it meet -- if I said those 10:59:51
10 words in that sentence, I would want to take that 10:59:56
11 back. I didn't -- I don't think I said that it 10:59:58
12 defines "view." What I mean is that they have a 11:00:00
13 specific connotation for how they're using "view," 11:00:04
14 and that's formed by the spec as a whole and informed 11:00:07
15 how they're -- they drafted those individual claims. 11:00:14

16 So I'm not saying that they originated the 11:00:17
17 term "view" or they have an unusual definition of 11:00:22
18 "view." I'm just saying that the meaning of "view" in 11:00:24
19 those claims would have to be read with the benefit of 11:00:27
20 the spec and in view of a person of ordinary skill in 11:00:31
21 the art, and I just haven't endeavored to come up with 11:00:34
22 that definition. 11:00:37

1 BY MR. BARAZESH: 11:00:41

2 Q. Okay. So correct me if I'm wrong, but just so I can 11:00:41

3 understand what you're saying, your opinion is that 11:00:44

4 the term "view" is discussed in the '228 patent but 11:00:46

5 that the meaning is also informed based on the general 11:00:51

6 knowledge of one of ordinary skill in the art; is that 11:00:58

7 correct? 11:01:03

8 MR. WERBER: Objection. Form. Foundation. 11:01:05

9 A. So I don't recall -- and I'm happy to look through 11:01:09

10 the patent to see. I just don't recall off the top 11:01:11

11 of my head if they have a section where they say, a 11:01:15

12 view is. But from my understanding of dealing with 11:01:25

13 patents in general, I understand that you start with 11:01:28

14 a claim, you read them with the understanding of the 11:01:30

15 specification through the lens of a person of 11:01:33

16 ordinary skill in the art. 11:01:36

17 And so for a term like "view," I would look 11:01:37

18 at it in the context of the claims, with the full 11:01:39

19 benefit of the spec in the lens of a person of 11:01:44

20 ordinary skill in the art. And if they have a full 11:01:47

21 definition, that's great; but even if they don't, I 11:01:49

22 would use my understanding to inform what's written in 11:01:53

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 the spec and to help me understand what's written in 11:01:56
2 the spec. 11:02:00
3 BY MR. BARAZESH: 11:02:01
4 Q. And what would form the basis of your understanding 11:02:01
5 that you just mentioned? 11:02:07
6 MR. WERBER: Same objection. 11:02:11
7 A. So I would say -- I would say you start with the 11:02:11
8 claims and understand them in the context of how 11:02:15
9 they're being used, then you move to spec. And all 11:02:18
10 of that is [audio distortion] or understood or 11:02:22
11 interpreted using the understanding of one of 11:02:28
12 ordinary skill in the art of what that term could 11:02:33
13 potentially mean. 11:02:37
14 BY MR. BARAZESH: 11:02:39
15 Q. Okay. And that understanding of one of ordinary skill 11:02:44
16 in the art would be gleaned from things like your 11:02:51
17 previous experience, any other evidence such as 11:02:53
18 technical papers, other patents, items like that. 11:02:58
19 Would you agree? 11:03:05
20 A. I think that's all fair. Prior experience, 11:03:07
21 textbooks, classes, use of the term in ordinary work, 11:03:16
22 other patents, other publications, all of those 11:03:20

1	things inform.	11:03:23
2	But just to be -- just to be fair, a	11:03:27
3	patentee can be their own lexicographer and, you	11:03:30
4	know, they may be intending the term in a particular	11:03:36
5	way. But I think what you said is fair.	11:03:39
6	Q. Okay. And just so I'm understanding -- let's actually	11:03:41
7	go to your declaration, starting at paragraph 73. We	11:03:45
8	can just use that as a reference point.	11:03:56
9	A. Almost there.	11:04:02
10	Q. Okay. Yeah, let me know when you're there.	11:04:03
11	A. I'm at 73.	11:04:07
12	Q. Okay. And this -- so paragraph 73 through, it looks	11:04:09
13	like, 90, that forms a section of your declaration	11:04:14
14	that's under the heading B, Claim Construction; is	11:04:21
15	that correct?	11:04:28
16	A. This is for Gilley, in particular, but, yeah, it's	11:04:32
17	under B, Claim Construction, that's fair.	11:04:38
18	Q. Okay.	11:04:38
19	[Simultaneous Speaking]	11:04:38
20	A. No, no. Sorry.	11:04:40
21	Q. No. Yeah. So Gilley, I think, is the previous	11:04:40
22	section.	11:04:42

1 A. Yes. My bad. Yes. It's under B, Claim 11:04:43

2 Construction. I see that now. 11:04:51

3 Q. So do you believe that particular elements of the '228 11:04:52

4 patent's claims should be construed in this 11:04:56

5 proceeding? 11:05:00

6 MR. WERBER: Objection. Foundation. Form. 11:05:01

7 A. Do I believe that they should be construed? So I 11:05:08

8 just -- I want to be careful that I'm accurately 11:05:12

9 answering your question. I understand that, in the 11:05:16

10 course of litigation, judges often offer or rule on a 11:05:18

11 claim construction to indicate what certain words 11:05:25

12 mean, and so maybe my use of "claim construction" 11:05:28

13 here isn't -- maybe I should have said a claim 11:05:34

14 interpretation or -- or, you know, meaning here. 11:05:37

15 But in my view, I'm not offering this as a 11:05:43

16 formal construction of a particular term or element. 11:05:47

17 It's more what the claims mean or what I -- what a 11:05:52

18 person of ordinary skill in the art would read these 11:05:57

19 claims to mean. 11:06:00

20 BY MR. BARAZESH: 11:06:02

21 Q. So is it correct, then, that the opinions you offer in 11:06:02

22 paragraph 73 through 90 are your opinions on what the 11:06:18

1 plain and ordinary meaning of the '228 patent's claims 11:06:22
2 mean? 11:06:29
3 A. You said 90, right? 11:06:33
4 Q. Yeah. And that's just -- that should just be the 11:06:36
5 claim construction section of your declaration. 11:06:39
6 MR. WERBER: Objection. Form. Foundation. 11:06:44
7 A. I don't remember doing a formal construction like I 11:06:56
8 would in a litigation effort where we're trying to 11:07:06
9 come up with a construction for a term. I think -- I 11:07:11
10 think it's fair to say that this is -- under the 11:07:15
11 plain and ordinary meaning how one would understand 11:07:20
12 these particular elements. I think that's fair, 11:07:23
13 yeah. 11:07:27
14 BY MR. BARAZESH: 11:07:34
15 Q. Okay. And in your declaration in the claim 11:07:34
16 construction section, did you consider any evidence 11:07:40
17 outside of the '228 patent itself in forming your 11:07:45
18 understanding of the plain and ordinary meaning of the 11:07:53
19 '228 patent's claims? 11:07:56
20 MR. WERBER: Objection. Form. 11:07:58
21 A. I don't -- so just to be clear on, you know, what I 11:08:11
22 looked at, I think the materials considered are 11:08:14

1 certainly all on here, but in terms of coming to an 11:08:19
2 opinion on this particular portion, I think it's fair 11:08:25
3 that I relied on the patent itself and my 11:08:29
4 understanding as a person of ordinary skill in the 11:08:37
5 art, and I don't recall using any other resources 11:08:40
6 like dictionaries or anything like that. I don't 11:08:44
7 believe I used anything else in that respect. 11:08:47

8 BY MR. BARAZESH: 11:08:53

9 Q. And in your declaration -- 11:08:54

10 [Simultaneous Speaking] 11:08:58

11 Q. Sorry, what was that? 11:09:00

12 A. Sorry. 11:09:00

13 Q. No, that's okay. 11:09:00

14 A. I just said I would have included. 11:09:02

15 Q. Oh, you would have -- okay. 11:09:03

16 So just to rephrase, and correct me if I'm 11:09:04

17 wrong, what you just said was that if you would have 11:09:07

18 relied on any other evidence to support the 11:09:11

19 conclusions in the claim construction section of your 11:09:15

20 declaration, you would have included that evidence; is 11:09:21

21 that correct? 11:09:25

22 MR. WERBER: Objection. Form. Foundation. 11:09:25

1 A. I think that's -- I think that's fair. I don't 11:09:28
2 recall using anything else, but I believe I would 11:09:35
3 have included it, had I done that, that's fair. 11:09:40
4 MR. BARAZESH: Okay. So I think we've been 11:09:43
5 going just about an hour. I mean, we took a short 11:09:48
6 break for you to dial in. Do you want to keep going 11:09:51
7 or do you want to take, like, a five-minute break? 11:09:54
8 How are you feeling? 11:09:56
9 THE WITNESS: I'm okay. I can keep going. 11:09:58
10 Maybe another half an hour and then we can take a 11:10:00
11 five-minute break. Or if you want to stop now if this 11:10:04
12 is a logical place, I'm happy to do it. Either way. 11:10:05
13 MR. BARAZESH: Yeah, this is actually a 11:10:08
14 logical place, and maybe let's just take a really 11:10:10
15 short, like, five-minute break and then we can resume. 11:10:12
16 THE WITNESS: Okay. 11:10:14
17 MR. BARAZESH: All right. Great. Thank 11:10:15
18 you. 11:10:16
19 (Off the record at 11:10 a.m.) 11:10:16
20 (On the record at 11:16 a.m.) 11:16:23
21 MR. BARAZESH: Back on the record. 11:16:23
22 BY MR. BARAZESH: 11:16:26

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 Q. So Claim 1 recites a map view. Correct? We had just 11:16:29
2 discussed that. 11:16:33
3 A. A moment, I think, but yes. Yes, sir. 11:16:36
4 Q. In your opinion, what is a map view? 11:16:41
5 MR. WERBER: Objection. Form. Foundation. 11:16:43
6 A. So as I said before, sir, you know, I didn't endeavor 11:16:48
7 to come up with a definition that I would give a 11:16:53
8 court of law. I think the term, in my view, is as 11:16:55
9 described in the claim. 11:17:02
10 And while I'm happy to look at what 11:17:03
11 Dr. Bederson has provided and decide whether or not I 11:17:10
12 think it meets the limitation on map view, I have not 11:17:14
13 tried to come up with a definition that I would 11:17:17
14 provide in a court of law. 11:17:19
15 BY MR. BARAZESH: 11:17:21
16 Q. So I'm not asking for a definition of map view. My 11:17:22
17 question is, what is your understanding of the term 11:17:29
18 "map view" as one of ordinary skill in the art? 11:17:32
19 A. I don't know how to reply to that, sir, without 11:17:34
20 providing a definition. I guess the way I would put 11:17:43
21 it is, the map view is defined according to the claim 11:17:47
22 as including -- you know, I won't try to occupy all 11:17:52

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1	the time, but I would read the entirety of the claim	11:17:59
2	as to what the map view explicitly includes.	11:18:02
3	And then beyond that, as far as what could	11:18:08
4	or could not be a map view, I did not come up with	11:18:11
5	something that I would be able to articulate in a	11:18:15
6	court of law, you know, with the understanding that I	11:18:18
7	don't want to limit this term in some way because I	11:18:21
8	haven't, you know, come up with something that covers	11:18:24
9	the entire metes and bounds of the term.	11:18:27
10	It was my job to reply to Dr. Bederson and	11:18:29
11	not really to define this term in a court of law. I	11:18:34
12	think I would need more time to come up with a	11:18:38
13	definition that really captures everything.	11:18:39
14	Q. Okay. So let's just look at paragraph 76 of your	11:18:42
15	declaration. Let me know when you're there.	11:18:49
16	A. Yes, sir, I'm there.	11:18:54
17	Q. Okay. So the last sentence says, "This input causes	11:18:55
18	the exemplary Location View of Figure 41 to be	11:19:00
19	displayed (map view)."	11:19:07
20	So is it your opinion that Figure 41 of the	11:19:09
21	'228 patent shows a map view?	11:19:15
22	A. Let me look and see.	11:19:24

1 MR. WERBER: Can we clarify what 11:19:30
2 declaration -- sorry, what paragraph we are on again? 11:19:34
3 MR. BARAZESH: That was paragraph 76. 11:19:37
4 MR. WERBER: Okay. 76. 11:19:39
5 MR. BARAZESH: Is there an objection or 11:19:57
6 were you -- 11:19:58
7 MR. WERBER: No, no. 11:19:59
8 MR. BARAZESH: Okay. 11:19:59
9 MR. WERBER: I thought I heard something 11:20:00
10 and then I ended up in the wrong place. 11:20:01
11 MR. BARAZESH: Okay. 11:20:03
12 BY MR. BARAZESH: 11:20:07
13 Q. Do you need me to repeat the question, Dr. Reinman? 11:20:07
14 A. I think the question was whether or not I would say 11:20:12
15 that Figure 41 is an example of a map view, and I 11:20:14
16 think Figure 41 is illustrative of a particular 11:20:29
17 embodiment that is consistent with this map view. I 11:20:32
18 don't think that Figure 41 bounds the term, but I 11:20:39
19 think it's consistent with the embodiment. 11:20:45
20 Q. Okay. So you agree that the term "map view" could 11:20:49
21 cover interfaces that look different to Figure 41; is 11:20:52
22 that correct? 11:21:00

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 MR. WERBER: Objection. Form. And 11:21:00
2 foundation. 11:21:01
3 BY MR. BARAZESH: 11:21:04
4 Q. All right. So I can re-ask it in a different way. 11:21:06
5 So you would agree that the geographic map 11:21:09
6 shown in Figure 41 could be displayed in a different 11:21:15
7 way, and that would be consistent with a map view; is 11:21:19
8 that correct? 11:21:24
9 MR. WERBER: Same objection. 11:21:26
10 A. Geographic map could be explained a different way... 11:21:31
11 I mean, unless you -- so, I guess, is 11:21:37
12 there a possible different way? Yes. But I would 11:21:42
13 have to see that way to be able to gauge whether it 11:21:44
14 looks like a map view or not. 11:21:47
15 BY MR. BARAZESH: 11:21:50
16 Q. Sure. 11:21:50
17 A. I don't think 41 limits the entire universe, but it 11:21:50
18 doesn't mean that it opens the door to just anything. 11:21:56
19 Q. Understood. So for me to try to be clearer, so you 11:21:59
20 would agree that the information displayed in 11:22:07
21 Figure 41 does not limit the term "map view"? 11:22:12
22 MR. WERBER: Objection. Form. Foundation. 11:22:21

1 A. I think the claim and the spec, as interpreted as a 11:22:28
2 whole, would limit map view. I don't think that this 11:22:33
3 particular exemplary embodiment that's consistent 11:22:37
4 with map view limits the map view. I think that's 11:22:40
5 fair. 11:22:43
6 BY MR. BARAZESH: 11:22:54
7 Q. Understood. So now let's go to paragraph 79 of your 11:22:55
8 declaration. Just a few paragraphs below, it starts 11:22:57
9 with, "Figure 32 provides an exemplary embodiment." 11:23:02
10 Let me know when you're there. 11:23:06
11 A. I'm there, yes, sir. 11:23:08
12 Q. Okay. And I am repeating myself, but paragraph 79 11:23:10
13 says, "Figure 2 provides an exemplary embodiment 11:23:17
14 showing a people view 1400 that includes 'a thumbnail 11:23:19
15 of [each person's] face along with their name.'" 11:23:23
16 Is that correct? 11:23:26
17 A. Yes, sir. 11:23:34
18 Q. So do you agree that Figure 32 shows one example of a 11:23:35
19 people view in the '228 patent? 11:23:40
20 A. Yeah, I -- I mean, I called it an "exemplary 11:23:49
21 embodiment," so I think that's consistent. It's one 11:23:51
22 example. That's fair. 11:23:55

1	Q. So there could be variations of the people view shown	11:23:59
2	in Figure 32 of the '228 patent. Do you agree?	11:24:04
3	A. You mean it doesn't have to be cartoon drawn faces,	11:24:13
4	it could be real people? And certainly, you know,	11:24:18
5	there could be variation, but that doesn't again open	11:24:22
6	up the meaning that anything could be a people view.	11:24:25
7	There could be variations, yes.	11:24:30
8	Q. Understood.	11:24:33
9	A. Sorry, sorry, with -- my apologies for talking over	11:24:35
10	you. Within the other restrictions provided by the	11:24:39
11	claim.	11:24:43
12	Q. Understood.	11:24:43
13	So let's look at -- so keep your	11:24:48
14	declaration up, but if it's possible to look at	11:24:50
15	Exhibit 1001, the '228 patent, let's go to column 4,	11:24:54
16	lines 32 through 35. Let me know when you're there.	11:25:03
17	A. Column 4. You said lines 32?	11:25:11
18	Q. Correct. To 35.	11:25:14
19	A. I'm there.	11:25:23
20	Q. Okay. And it starts with, "On the contrary, the	11:25:23
21	invention is intended to cover all alternatives,	11:25:26
22	modifications, and equivalent arrangements as may be	11:25:29

1 included within the spirit and scope of the invention 11:25:33
2 as defined by the appended claims." 11:25:35
3 Do you agree with that? 11:25:39
4 A. That's what it says, yes, sir. 11:25:44
5 Q. What do you understand that statement that I just read 11:25:45
6 from the '228 patent to mean? 11:25:48
7 MR. WERBER: Objection. Form and 11:25:53
8 foundation. 11:25:55
9 A. I would look at the previous sentence and it says 11:25:58
10 that the invention will be described in connection 11:26:02
11 with preferred embodiment, but the coverage is really 11:26:07
12 about the claim and certain things that are defined 11:26:12
13 by the claims but perhaps are different than the 11:26:17
14 preferred embodiment are still covered, which I 11:26:21
15 think -- I think this is a really -- I think it's an 11:26:24
16 understood idea for patents more generally that the 11:26:33
17 claims kind of define the scope of the invention, not 11:26:36
18 necessarily a representative embodiment. 11:26:38
19 BY MR. BARAZESH: 11:26:42
20 Q. Okay. So your opinion is that the specification of 11:26:42
21 any patent, for example the '228 patent, may describe 11:26:51
22 various embodiments, but the understanding -- sorry, 11:26:59

1	strike that.	11:27:11
2	So your understanding is that while the	11:27:11
3	'228 patent may describe various embodiments, the	11:27:14
4	claims may require certain aspects that recite	11:27:22
5	variations or modifications of those embodiments that	11:27:29
6	are described. Is that accurate?	11:27:33
7	MR. WERBER: Objection. Form. Foundation.	11:27:37
8	A. So let me -- I think I was -- maybe my statement was	11:27:44
9	more cavalier than I intended. I think if you're	11:27:46
10	talking -- because you said, you know, "in general."	11:27:49
11	I know that there are cases where the patent talks	11:27:52
12	about the present invention or limits the embodiment	11:27:57
13	in some way, and in those cases, that language may	11:28:05
14	import more of a precise bounding to a claim from the	11:28:10
15	spec because of that particular language.	11:28:16
16	So I should -- I think that's probably a	11:28:18
17	better answer is that it depends on the situation, it	11:28:21
18	depends on the spec.	11:28:24
19	But to get to your original question about	11:28:25
20	this particular paragraph, it's saying that it's	11:28:29
21	intended to cover alternatives and modifications and	11:28:33
22	equivalent arrangement defined by the appended claims.	11:28:37

1	So I think they are saying that the claims	11:28:42
2	are still what you look to in the spec, as well, but	11:28:48
3	that there could be some difference from certain	11:28:50
4	preferred embodiments.	11:28:52
5	BY MR. BARAZESH:	11:28:57
6	Q. Okay. So, basically, the claims may not exactly match	11:28:57
7	what certain embodiments may describe.	11:29:02
8	A. I wouldn't say that.	11:29:10
9	Q. How -- so help me understand. How would you describe	11:29:11
10	it? Because I know you are mentioning claims, the	11:29:14
11	specification. I just want to be totally clear on	11:29:18
12	what your understanding is.	11:29:21
13	A. So I don't want to trivialize an example, but just as	11:29:29
14	a -- as an example, if the claim required car and it	11:29:32
15	didn't specify the color of the car and a preferred	11:29:39
16	embodiment was that the car be blue, it doesn't mean	11:29:44
17	that the invention couldn't also represent a car that	11:29:48
18	was red because red was not discussed in the claims.	11:29:51
19	But I wouldn't say that the preferred	11:29:53
20	embodiment can go outside the scope of the claims. I	11:29:55
21	would say that -- I think what the patent is	11:29:58
22	describing here is that the claims are what define	11:30:03

1 the invention. And a preferred embodiment, if it 11:30:05
2 features some design choice, like the fact that they 11:30:09
3 use cartoon characters for the basis, doesn't mean 11:30:13
4 that it's only for pictures of cartoon characters. I 11:30:16
5 think that's the intended spirit here. 11:30:20

6 I think, if I understood your question 11:30:22
7 from last time, it was more, can the preferred 11:30:23
8 embodiment go outside the claims, which I would 11:30:29
9 definitely disagree with that. 11:30:32

10 Q. So -- okay. All right. I'm just trying to understand 11:30:34
11 what you're meaning, but I think I understand what 11:30:40
12 you're saying. 11:30:42

13 So you said -- you provided an example just 11:30:43
14 now of figure, I believe it's 32, showing cartoon 11:30:46
15 faces, but the claims not being required to only be 11:31:02
16 directed to displaying cartoon faces of people, as one 11:31:07
17 example of our -- what we've just been talking about; 11:31:13
18 is that correct? 11:31:15

19 A. I guess that's fair, yeah. 11:31:22

20 Q. Okay. So what other changes or modifications do you 11:31:23
21 -- to Figure 32 would be fair -- fairly represented by 11:31:28
22 the claims? 11:31:35

1 A. So -- 11:31:39

2 MR. WERBER: Objection. Form. Foundation. 11:31:40

3 A. I have not done the due diligence of trying to figure 11:31:44

4 out the metes and bounds of the claim. I understand 11:31:47

5 the statement that you pointed to in the spec that 11:31:51

6 says that there could be other embodiments or 11:31:54

7 modifications, but I -- my job was to look at 11:31:59

8 Dr. Bederson's report and then assess whether or not 11:32:06

9 what he was describing is part of the claim. 11:32:09

10 I did not look at the bounds of what 11:32:11

11 possible modifications could be provided here. 11:32:13

12 BY MR. BARAZESH: 11:32:15

13 Q. So to be clear, you didn't look at the metes and 11:32:15

14 bounds of the limitations in Claim 1 of the '228 11:32:23

15 patent? 11:32:25

16 MR. WERBER: Objection. Form. Foundation. 11:32:27

17 A. I think I would say that a little differently. I 11:32:32

18 looked at the claims. I read the specification in 11:32:35

19 accordance with one of ordinary skill in the art, and 11:32:39

20 I did my best to understand how Dr. Bederson was 11:32:43

21 arguing for a particular piece of prior art with 11:32:50

22 respect to those claims. 11:32:52

1 What I didn't do was try and articulate the 11:32:53
2 universe of all possible people views, for example, 11:32:59
3 that could be in any situation. This is a reply 11:33:01
4 report, not a -- you know, an in-depth definition or a 11:33:07
5 partitioning of the space of what the patent could or 11:33:14
6 could not apply to. 11:33:17

7 And so I have not undergone that particular 11:33:18
8 assessment. 11:33:24

9 BY MR. BARAZESH: 11:33:24

10 Q. Okay. So that's fair. So you said, like, the whole 11:33:24
11 universe of what a people view could mean; is that 11:33:27
12 correct? You didn't consider what the entire universe 11:33:34
13 that, like, understanding of people view would mean, 11:33:39
14 if I'm understanding you correctly. 11:33:43

15 MR. WERBER: Objection. Form. Foundation. 11:33:45

16 A. Yeah, I wouldn't say it that way. 11:33:49

17 So what I'm saying is that I didn't 11:33:53
18 partition so that I could say, you know, let me tell 11:33:55
19 you all the possible people views that there could be. 11:34:00
20 That wasn't -- you know, that's an interesting 11:34:05
21 exploration that would require a lot of time for 11:34:08
22 someone to go and do. 11:34:12

1	It was more, I was provided with examples	11:34:13
2	of prior art and I analyzed them with respect to my	11:34:17
3	understanding of the patent. And so it wasn't -- it	11:34:22
4	wasn't necessary -- if you tell me Okamura and is	11:34:26
5	that, you know, anticipatory, or whatever, for the	11:34:31
6	'228, I don't have to go and think, okay, well, let me	11:34:33
7	think of all the possible ways that '228 can be	11:34:36
8	practiced. It's more, how does it differ from	11:34:40
9	Okamura. What are -- how does Okamura relate to the	11:34:44
10	'228.	11:34:48
11	So it's a reply report, not me partitioning	11:34:49
12	the world of possible people views.	11:34:53
13	BY MR. BARAZESH:	11:34:57
14	Q. So did you consider, based on the '228 patent, what	11:34:57
15	the meaning of people view or map view is?	11:35:02
16	A. I certainly considered what the meaning would be to a	11:35:11
17	person of ordinary skill in the art when reading and	11:35:15
18	understanding the specification, but I did not	11:35:16
19	attempt to enumerate all possible people views or to	11:35:19
20	define the boundaries of what that term could and	11:35:24
21	could not apply to.	11:35:27
22	Q. Okay. So you -- so in view of the '228 patent, you	11:35:28

1 didn't endeavor to define the boundaries of what could 11:35:33
2 and could not be a people view or a map view or, 11:35:37
3 really, any of the other terms that are recited in the 11:35:43
4 claims of the '228 patent; is that correct? 11:35:44

5 MR. WERBER: Objection. Form. Foundation. 11:35:46

6 A. I did not endeavor to form the boundaries of what 11:35:53
7 could or could not. I was doing a reply report to 11:35:56
8 Dr. Bederson. That's fair. 11:36:01

9 BY MR. BARAZESH: 11:36:04

10 Q. Okay. So because you did not consider the boundaries 11:36:04
11 of what a map view, a people view of the other terms 11:36:06
12 of the '228 patents recite in view of the '228 patent 11:36:11
13 itself, there could be teachings that you didn't 11:36:16
14 consider that meet those limitations; is that correct? 11:36:22

15 MR. WERBER: Objection. Form. Foundation. 11:36:27

16 A. So you said I didn't consider the boundaries. I just 11:36:29
17 want to be clear. If I'm given a reference like 11:36:37
18 Okamura and I'm asked if that defines something that 11:36:41
19 is a people view, I'm going to do the diligence of 11:36:46
20 examining what Okamura provides to see if it's within 11:36:52
21 what would be the boundaries of the people view. 11:36:56

22 What I'm saying I did not do in terms of an 11:37:00

1 exercise is to come up with a precise definition of 11:37:03
2 where the boundary is for other corner cases that 11:37:08
3 might potentially come up. 11:37:12

4 I, of course, have to know something of 11:37:14
5 what a people view is to ensure that I'm checking that 11:37:17
6 Okamura is part of that people view. 11:37:24

7 But to your question as to whether there 11:37:28
8 could be other things that are in the people view -- 11:37:31
9 could you repeat that part of your question? 11:37:38

10 BY MR. BARAZESH: 11:37:38

11 Q. Yeah. So I think it was really just -- we don't have 11:37:42
12 to belabor this point too much, but I think you had 11:37:45
13 mentioned that you had considered the term "people 11:37:48
14 view" and "map view" and the other terms, but you 11:37:53
15 hadn't necessarily considered all of the metes and 11:37:58
16 bounds of those terms as it -- I guess, the full 11:38:05
17 meaning of those terms in relation to how they could 11:38:09
18 be met by the prior art. 11:38:16

19 So there could be other ways -- 11:38:19

20 A. I -- 11:38:19

21 Q. Sorry, go ahead. 11:38:22

22 A. No, I apologize. You didn't finish. I thought you 11:38:23

1 finished. Go ahead, please. 11:38:26

2 Q. So I think -- so just kind of boiling this down, the 11:38:29

3 question was, are there teachings you haven't 11:38:32

4 considered that would meet the definition of -- or the 11:38:38

5 meaning of map view and people view as recited by the 11:38:44

6 '228 patent? 11:38:51

7 MR. WERBER: Objection. Form. Foundation. 11:38:52

8 A. So I would say -- I would just change what you said a 11:38:56

9 little bit there, that if the claims define the 11:39:02

10 boundaries of what, for example, a people view is -- 11:39:07

11 and I certainly examined the claims in detail, 11:39:11

12 applied them to the work offered by Dr. Bederson as 11:39:17

13 prior art, and to the extent that the passage that 11:39:22

14 you read says that it's also -- let me get the 11:39:24

15 precise wording because I think that's important. 11:39:28

16 It says it is as defined by the appended 11:39:31

17 claims, and so the claims themselves are defined in 11:39:34

18 the boundaries. 11:39:37

19 And so I did consider very carefully the 11:39:37

20 individual claims and I applied them when I'm looking 11:39:40

21 at prior art. But if you are asking did I figure out 11:39:45

22 precisely where that bound would be for any piece of 11:39:49

1 prior art, the answer is that I have only done my 11:39:54
2 analysis for the part that's provided by Dr. Bederson. 11:39:58
3 So I wouldn't say that there could be some 11:40:02
4 piece of -- some way of practicing the patent that I 11:40:05
5 didn't consider with respect to Bederson's prior art. 11:40:08
6 I would say that I considered all of the ways of 11:40:12
7 practicing this patent with respect to the art 11:40:15
8 provided by Dr. Bederson because I used the appended 11:40:17
9 claims that define the scope of the invention. 11:40:21
10 But I would say I did not try to go against 11:40:25
11 other pieces of prior art that Dr. Bederson did not 11:40:28
12 disclose. 11:40:33
13 BY MR. BARAZESH: 11:40:33
14 Q. Okay. Understood. So let's go to -- back to Claim 1 11:40:33
15 in the '228 patent. And let's look at -- let's go to 11:40:43
16 lines 33 through 34. And I'll actually hit a couple 11:41:01
17 of different spots of Claim 1. 11:41:07
18 So lines 33 through 34 states, "responsive 11:41:09
19 to a first input, causing a map view to be displayed 11:41:11
20 on an interface." 11:41:14
21 Do you agree with that? 11:41:16
22 A. That's what it says, yes, sir. 11:41:19

1 Q. Okay. And then later in the claim, lines 40 and lines 11:41:20
2 50, about, the claim states, "responsive to an input 11:41:27
3 that is indicative of a selection of a first location 11:41:33
4 collectable thumbnail image," and then, at line 50, 11:41:35
5 "responsive to an input that is indicative of a 11:41:41
6 selection of a second" -- "of the second location 11:41:44
7 selectable thumbnail image." 11:41:47
8 Does that sound right? 11:41:49
9 A. Yes, sir. 11:41:51
10 Q. Okay. 11:41:52
11 And then later on in the claim, at about 11:41:54
12 line 61, it states, "responsive to a second input." 11:41:57
13 Is that correct? 11:42:02
14 A. I see that, yes, sir. 11:42:06
15 Q. What is your understanding of the phrase "responsive 11:42:08
16 to an input"? 11:42:12
17 A. I talk a little bit about that in my report where I 11:42:24
18 get into what I have labeled claim construction, 11:42:28
19 where I talked about responsive to a first input. 11:42:35
20 And I talk about how that would limit the 11:42:39
21 understanding of this particular claim to a person of 11:42:43
22 ordinary skill in the art. 11:42:47

1 user must select, for example, a button locations 11:44:39
2 1443, is the example in paragraph 76 that you provide, 11:44:50
3 and then directly after that input, a map view has to 11:44:53
4 be displayed or some sort of output has to be produced 11:45:03
5 for that output to be responsive to that initial input 11:45:09
6 that you provide; is that correct? 11:45:15

7 A. I think what you're asking, you know, as far as, for 11:45:23
8 example, is it a button, is all getting back to the 11:45:28
9 bounds of what this patent could possibly mean. And 11:45:35
10 it was my job to respond to Dr. Bederson's prior art. 11:45:40

11 So as an example, if we -- you know, if you 11:45:45
12 ask, hey, in Okamura, is this responsive to a first 11:45:47
13 input. I think I could -- I could talk about the 11:45:51
14 connectivity there. 11:45:54

15 But if it's more general, does it have to 11:45:55
16 be a button? Would it be an input connected to node? 11:45:58
17 I have not gone through that metes and bounds 11:46:05
18 determination to tell you what it has to or not has to 11:46:07
19 be. I have looked at it in relation to specific 11:46:10
20 pieces of prior art. So I think I would need to put 11:46:16
21 it in the context of prior art. 11:46:19

22 Q. I understand. 11:46:20

1 So I guess what I'm trying to understand is 11:46:21
2 what your opinion of "responsive" is. So in 11:46:28
3 paragraph 76, you have an example where you say a user 11:46:31
4 may select locations 1443, that's a first input, and 11:46:36
5 then this input causes the exemplary location view of 11:46:42
6 Figure 42 to be displayed, and in parentheses you say, 11:46:47
7 a map view. 11:46:50
8 A. So what I'm asking is, how is that map view 11:46:53
9 responsive to the input of selecting locations 1443? 11:46:58
10 Because you provided the example in paragraph 76 of 11:47:05
11 your declaration, so I'm just trying to understand 11:47:09
12 how you're interpreting the term "responsive" within 11:47:13
13 this example. 11:47:16
14 MR. WERBER: Objection. Form. Foundation. 11:47:17
15 A. So in this example there is an input, selecting 11:47:24
16 locations, that the user performed, and that caused 11:47:26
17 this location view to be displayed. So that, to me, 11:47:31
18 was that causal, responsive relationship. 11:47:37
19 BY MR. BARAZESH: 11:47:43
20 Q. And is it your opinion that that causal relationship 11:47:43
21 is limited to the example you provided in 11:47:48
22 paragraph 76? 11:47:52

1	MR. WERBER: Same objections.	11:48:01
2	A. So I think we're getting there into the bounds of	11:48:02
3	what it could or could not mean. And I would -- I	11:48:04
4	don't want to make a general statement about that	11:48:11
5	without applying it to a particular piece of prior	11:48:15
6	art. Because that was the -- that was the exercise	11:48:18
7	that I did. That's what my report is all about, is I	11:48:20
8	give you an example here, but then, you know, the key	11:48:25
9	point is applying it to Okamura, Flora.	11:48:29
10	And so that's -- it's within the context	11:48:33
11	of that particular piece of prior art. I haven't	11:48:37
12	endeavored to try to form the metes and bounds of	11:48:40
13	whether there -- if this example is the only way it	11:48:42
14	would work or not.	11:48:47
15	BY MR. BARAZESH:	11:48:48
16	Q. Okay. So I think I understand what you're saying in	11:48:48
17	terms of applying it to the prior art. So would your	11:48:56
18	answer, then, change depending on the prior art that	11:49:00
19	was applied to the claims?	11:49:04
20	MR. WERBER: Objection. Form. Foundation.	11:49:09
21	BY MR. BARAZESH:	11:49:09
22	Q. Because I guess what it seems like to me, your answer,	11:49:13

1 is that you have an example here in paragraph 76 but 11:49:16
 2 that you're only willing to discuss what the claim 11:49:20
 3 requires if there's prior art that's applied to it 11:49:26
 4 rather than just providing your understanding of what 11:49:32
 5 the claim actually means independent of any prior art 11:49:35
 6 that's applied to it. 11:49:43

7 So just in terms of what -- in view of the 11:49:44
 8 '228 patent -- the '228 patent file history, your 11:49:47
 9 general knowledge, not looking at prior art, I'm 11:49:51
 10 interested in knowing -- understanding how you are 11:49:56
 11 understanding the term "responsive" to an input. 11:50:00

12 MR. WERBER: Same objections. Form. 11:50:07
 13 Foundation. 11:50:12

14 A. So let me try and clarify a few points there. First 11:50:13
 15 of all, I would say that my understanding of the 11:50:17
 16 patent does not change based on the piece of prior 11:50:19
 17 art that's being considered, but the interpretation 11:50:22
 18 and -- I think you said does the answer change. 11:50:29

19 If the question that that answer was for 11:50:32
 20 was is this a view that is a -- is this a map view, is 11:50:36
 21 this not a map view, that -- certainly the answer 11:50:41
 22 could change depending on the prior art, but the 11:50:45

1 methodology and the understanding of the patent would 11:50:48

2 not change. 11:50:52

3 And so I think -- I think maybe we're 11:50:55

4 getting -- maybe we're talking at cross-purposes here 11:50:58

5 for understanding the difference between the metes and 11:51:01

6 bounds of what a patent is defined to be versus a 11:51:05

7 reply report which is taking pieces of prior art and 11:51:09

8 determining whether or not they fit the claims. 11:51:13

9 I think it would be akin to, if I had a 11:51:18

10 patent on a sandwich and I give -- you give me an 11:51:22

11 example, here's turkey on wheat, is that a sandwich, 11:51:26

12 and I could say yes or no, versus -- and without 11:51:31

13 changing my understanding of what a sandwich is, 11:51:33

14 versus coming up with the bounds of everything: Does 11:51:36

15 it include a hotdog on a bun. Does it include an 11:51:38

16 open-faced sandwich. Right? All of those things 11:51:42

17 require a very precise definition. 11:51:45

18 But my job in this was to look at the 11:51:47

19 incoming pieces of prior art and say what -- if it 11:51:51

20 fits the claim or not, and that does not change the 11:51:57

21 meaning of the claim. 11:52:00

22 BY MR. BARAZESH: 11:52:06

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1	Q. Okay. So did you form an understanding of what the	11:52:06
2	'228 patent's claims mean before reviewing the prior	11:52:12
3	art that was presented to you in this proceeding?	11:52:16
4	A. I absolutely read and understood the patents before	11:52:23
5	looking at the prior art, but I did not go through	11:52:29
6	the exercise of precisely delineating the metes and	11:52:32
7	bounds of what the patent could be applied to.	11:52:38
8	And so when looking at a piece of prior	11:52:40
9	art, I don't change my understanding of the patent,	11:52:43
10	but I do delve into the specifics and particulars of	11:52:49
11	that piece of prior art as it relates to the claims.	11:52:52
12	And so that's where it's a little bit of a -- I think,	11:52:55
13	a difference in what we're talking about, being able	11:52:59
14	to precisely delineate and articulate what the patent	11:53:02
15	could possibly apply to versus looking at prior art	11:53:07
16	and seeing whether or not it practices the patent.	11:53:10
17	Q. Okay. So we can look at an example. That's fine.	11:53:12
18	So let's go to paragraph 141 of your	11:53:19
19	declaration.	11:53:23
20	MR. BARAZESH: And I am going to introduce	11:53:28
21	the Flora reference. That's Exhibit 1005 in this	11:53:35
22	proceeding. I'm just going to put that into the chat	11:53:40

1	right now. Let me know when you have it.	11:53:42
2	INTRODUCED INTO THE RECORD:	11:53:50
3	PREVIOUSLY MARKED EXHIBIT 1005	11:53:50
4	11:53 a.m.	11:53:50
5	A. I see it and I'm downloading it now.	11:53:50
6	BY MR. BARAZESH:	11:53:54
7	Q. Okay.	11:53:54
8	A. And I've opened it.	11:53:58
9	Q. Okay. Do you recognize that document, Exhibit 1005?	11:53:59
10	A. Yes, sir.	11:54:03
11	Q. And you understand that's the Flora reference that's	11:54:04
12	in the current proceeding?	11:54:08
13	A. Yes, sir.	11:54:10
14	Q. Okay. So let's just go to your declaration at	11:54:11
15	paragraph 141.	11:54:18
16	A. Okay.	11:54:24
17	Q. So here you talk about the map view displayed in	11:54:25
18	response to the first input; is that correct?	11:54:32
19	A. Yes, sir.	11:54:41
20	Q. And your opinion in paragraph 141 is that "If Okamura	11:54:41
21	and Flora were combined as Petitioner proposes, the	11:54:45
22	PLACE tab 413 (first input) would only cause Okamura's	11:54:49

1 cluster map display area 414 (map view and Flora's 11:54:55
2 geographic map 46 (interactive map) to be displayed 11:55:00
3 without Flora's icons 58, 59 (thumbnail images) 'on 11:55:05
4 the interactive map' as claimed." 11:55:12

5 Is that correct? 11:55:17

6 A. Yes, sir. 11:55:19

7 Q. So I guess I'm interested in understanding from you 11:55:23
8 what the basis of your opinion in paragraph 141 of 11:55:27
9 your declaration is. 11:55:32

10 A. It would be based on my understanding, as a person of 11:55:40
11 at least ordinary skill in the art, for meeting the 11:55:43
12 specification and the claims of what that phrasing in 11:55:48
13 the claim itself would mean. And that in this sense, 11:55:52
14 because Flora makes it clear that the first -- the 11:55:58
15 icons are not included on the interactive map until 11:56:04
16 after the user provides an additional input, that it 11:56:08
17 is not responsive to the first input but responsive 11:56:12
18 to those additional inputs. 11:56:16

19 And so that's where my understanding would 11:56:18
20 come from. 11:56:21

21 Q. So if I'm hearing you right, your understanding of the 11:56:25
22 claim limitation responsive to a first input means 11:56:29

1 that there can only be one first input, there cannot 11:56:34
 2 be an intermediate input provided after that first 11:56:40
 3 input that causes a map to be displayed; is that 11:56:45
 4 correct? 11:56:52

5 MR. WERBER: Objection. Form. Foundation. 11:56:55

6 A. That's a little more general than what I'm saying in 11:56:57
 7 my report. I'm saying, in my report specifically, 11:57:01
 8 Flora or Okamura with Flora, or Okamura alone, any 11:57:04
 9 one of those three options, would fail this "in 11:57:12
 10 response to" portion, not that a more general 11:57:17
 11 statement -- which I don't have in my report -- about 11:57:23
 12 any type of response, any type of input. I don't -- 11:57:27
 13 I don't -- I have not formed an opinion on that. 11:57:32

14 BY MR. BARAZESH: 11:57:34

15 Q. Okay. But you mention an entirely separate input in 11:57:38
 16 paragraph 142. Correct? So I guess let me rephrase. 11:57:42
 17 That wasn't really a question, so let me rephrase and 11:57:48
 18 just provide an example that is based on your 11:57:51
 19 explanation in paragraphs 141 and 142. 11:57:57

20 So my understanding of paragraphs 141 and 11:57:59
 21 142 in your declaration is that you're saying if 11:58:05
 22 Okamura has a first input, which you identify as 11:58:09

1 pressing tab 413 in Okamura, and then Flora has an 11:58:16
2 entirely separate user input that you recite in 11:58:27
3 paragraph 142. 11:58:31

4 So a situation where a user presses 11:58:36
5 Okamura's place tab 413, which you identify as a first 11:58:40
6 input, and then on Flora's map inputs an entirely 11:58:47
7 second user input, and after that, icons are 11:58:52
8 displayed, those three steps would not meet the 11:59:02
9 limitation responsive to a first input causing a map 11:59:07
10 view to be displayed, and it's because there are those 11:59:14
11 two separate -- those two inputs from Okamura and 11:59:19
12 Flora; is that correct? 11:59:22

13 MR. WERBER: Objection. Form. 11:59:26

14 Objection. Form. Foundation. 11:59:28

15 A. So I would say that in this specific circumstance 11:59:34
16 with the combination of Okamura or Flora, Flora 11:59:38
17 alone, but in the one that we're talking about I 11:59:44
18 guess has both. 11:59:46

19 In this specific circumstance, we have a 11:59:47
20 first input that's causing Okamura's cluster map 11:59:50
21 display area and Flora's geographic map. We have that 11:59:56
22 first input that is causing that to be displayed, but 12:00:00

1 it takes a second user input to actually include those 12:00:04

2 icons on the interactive map. 12:00:12

3 And so this particular scenario, to me, did 12:00:15

4 not meet that "in response to" requirement. I 12:00:20

5 wouldn't generalize it to say that any second input is 12:00:23

6 the case here. I'm saying in this particular case it 12:00:33

7 was clear to me that it was not responsive to -- "in 12:00:35

8 response to." 12:00:37

9 BY MR. BARAZESH: 12:00:42

10 Q. So you agree that -- you state in paragraph 141 that a 12:00:42

11 first input being placed -- being pressing place tab 12:00:52

12 413 would cause -- would only cause Okamura's cluster 12:00:56

13 map display area 414, which you identify as being a 12:01:02

14 map view, to be displayed; is that correct? 12:01:05

15 MR. WERBER: Objection. Form. Foundation. 12:01:13

16 THE WITNESS: Sorry. I need to pause more. 12:01:20

17 A. I would need to see what the cluster map display area 12:01:20

18 414 was to refresh my memory. 12:01:25

19 BY MR. BARAZESH: 12:01:28

20 Q. Sure. And I guess I'm just -- I'm just -- I apologize 12:01:29

21 for speaking over you. 12:01:33

22 But I think -- I'm just reading from your 12:01:34

1	declaration in paragraph 41. I'm just reading the	12:01:38
2	exact sentence. "If Okamura and Flora were combined	12:01:40
3	as petitioner proposes, the place tab 413 (first	12:01:44
4	input) would only cause Okamura's cluster map display	12:01:48
5	area 414 (map view) and Flora's geographic map 46	12:01:53
6	(interactive map) to be displayed."	12:02:00
7	That's verbatim what your declaration says.	12:02:03
8	So my question was that you agree that	12:02:09
9	selecting place tab 413, which you identify as a first	12:02:11
10	input, would cause Okamura's cluster map display area	12:02:15
11	414, which you identify as a map view, to be	12:02:19
12	displayed?	12:02:24
13	MR. WERBER: Just one point. I think you	12:02:27
14	said paragraph 41.	12:02:29
15	MR. BARAZESH: 141.	12:02:33
16	MR. WERBER: 141.	12:02:34
17	MR. BARAZESH: Yep. Sorry.	12:02:36
18	A. So I just want to clarify that I'm not making this	12:02:40
19	mapping myself. I believe this is what petitioner is	12:02:45
20	proposing. I would -- I would say that the map view	12:02:50
21	has a very specific set of requirements that are	12:02:56
22	outlined in the claims, and I would not agree that	12:03:01

1 Okamura's cluster map display area is a map view. 12:03:06
2 I'm just saying the petitioner proposes that this 12:03:10
3 would be the map view. Just to make that clear. 12:03:14
4 But in any case, it's -- the thumbnail 12:03:19
5 images are not -- not displayed in response, and so it 12:03:23
6 wouldn't be the map view of the '228 in any case. 12:03:28
7 BY MR. BARAZESH: 12:03:37
8 Q. Okay. So I think I'm understanding what you're 12:03:37
9 meaning here. You're saying that, in paragraphs 141 12:03:39
10 and 142, because this input, in your opinion, is 12:03:45
11 required for icons 58 and 59 of Flora to be displayed, 12:03:52
12 then the steps of a first input and a second input, in 12:03:59
13 this context, would not meet the claim. 12:04:08
14 Is that accurate? 12:04:12
15 MR. WERBER: Objection. Form. Foundation. 12:04:17
16 A. I would say that, in this specific case of Okamura's 12:04:23
17 place tab and Flora's thumbnail images, the icons, 12:04:31
18 the alleged thumbnail images, that they are not 12:04:38
19 included until after or in response to a different 12:04:43
20 input. 12:04:47
21 And so I think in this particular instance, 12:04:49
22 from my analysis, that's what's in paragraphs 141 and 12:04:52

1 142, that's the failure here of the combination. 12:04:55
2 That's fair. 12:04:59
3 MR. BARAZESH: Okay. So let me see. So 12:05:01
4 we're about an hour. We've been going about an hour 12:05:08
5 since we took the last break. How are you feeling to 12:05:14
6 keep going? 12:05:16
7 THE WITNESS: I'm okay. If you want to 12:05:21
8 take another 30 minutes, I could take a break then. 12:05:23
9 Or if you -- if it's a logical stopping point now, 12:05:29
10 whatever you prefer. 12:05:32
11 MR. BARAZESH: Okay. Yeah, let's just take 12:05:34
12 another break for a couple of minutes and then go back 12:05:35
13 on the record about 11:10, so five minutes. 12:05:37
14 THE WITNESS: Okay. 12:05:42
15 MR. BARAZESH: Thanks, guys. Off the 12:05:42
16 record. 12:05:44
17 (Off the record at 12:05 p.m.) 12:05:44
18 (Back on the record at 12:13 p.m.) 12:13:09
19 MR. BARAZESH: Back on the record. 12:13:10
20 BY MR. BARAZESH: 12:13:11
21 Q. So, Dr. Reinman, let's turn to paragraph 134 of your 12:13:12
22 declaration, please. Let me know when you're there. 12:13:18

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 A. 134. I'm there. Yes, sir. 12:13:26

2 Q. 134. 134. Okay. You're there. Sorry, I thought you 12:13:28

3 said 34. 12:13:37

4 A. I thought you said 134. What did you say? 12:13:38

5 Q. No, no. I said 134, but I thought when you were 12:13:41

6 repeating it back you said just 34, so I just wanted 12:13:44

7 to clarify. Okay. Great. 12:13:46

8 A. All good. 12:13:48

9 Q. Great. 12:13:49

10 So paragraph 134, you address the 12:13:50

11 construction of the term "thumbnail image," which has 12:13:59

12 been, what it looks like, asked by Samsung to mean a 12:14:08

13 reduced size duplicate of an image. And this is in a 12:14:13

14 related proceeding you mentioned in paragraph 134; is 12:14:17

15 that correct? 12:14:21

16 A. Yes, sir. 12:14:26

17 Q. And you opine in paragraphs 134 through 139 on what 12:14:27

18 your understanding of this proposed construction in 12:14:36

19 district court means and the viability of this 12:14:39

20 proposed construction; is that correct? 12:14:45

21 A. I wouldn't say I gave all that in a general sense. I 12:14:52

22 think, in this section, I really just point to the 12:14:57

1 fact that if that construction is embraced, if that 12:15:00
2 construction is adopted, and that's what we're 12:15:06
3 dealing with, I think that would provide an 12:15:09
4 additional reason why what Flora provides are not 12:15:11
5 thumbnail images because they are not reduced-size 12:15:16
6 duplicates of an image, they are a portion of the 12:15:19
7 original image. 12:15:25

8 And so that's -- I'm just looking at it 12:15:26
9 from that perspective. 12:15:29

10 Q. Okay. And the basis of your opinion that Flora's 12:15:30
11 reduced-pixel thumbnail image is not a reduced-size 12:15:40
12 duplicate of an image comes from what portions of the 12:15:53
13 Flora reference? 12:15:57

14 A. So in this case, I was looking at what I believe 12:16:02
15 Dr. Bederson uses to illustrate the icons on a 12:16:13
16 geographic map; in particular, for example, Figure 3, 12:16:17
17 where one of the icons on the interactive map is not 12:16:20
18 a reduced-size duplicate but is a cropped portion of 12:16:23
19 the image. And I have an illustration on my page 61 12:16:28
20 that shows that analysis. 12:16:33

21 Q. So it's fair to say that your understanding for what a 12:16:39
22 reduced-pixel image is, in view of Flora, is based on 12:16:45

1	first of all, but also it's -- it is being used as	12:19:55
2	obvious.	12:19:59
3	But what I mean is, the obviousness that	12:20:00
4	I'm talking about in this particular section is an	12:20:03
5	obviousness analysis with respect to the issue of	12:20:07
6	Samsung's construction applied to this case.	12:20:12
7	Q. So you agree that Flora -- I believe it's at column 7,	12:20:21
8	lines 12 through 13 -- states that -- I think the	12:20:25
9	quote is, "Only a single icon 59 can be presented for	12:20:33
10	each specific location in a reduced-pixel or	12:20:37
11	'thumbnail' format."	12:20:41
12	Does that sound right?	12:20:42
13	A. I'm going to column 7. Can you tell me the rows	12:20:46
14	again?	12:20:48
15	Q. Yeah, sure. Lines 12 through 13.	12:20:48
16	A. "Only a single icon can be presented for each	12:20:56
17	specific location in a reduced-pixel or thumbnail	12:21:00
18	format."	12:21:05
19	I see that, yes, sir.	12:21:05
20	Q. Okay. Does Flora mention the term "reduced pixel"	12:21:07
21	anywhere else in its disclosure?	12:21:10
22	A. I would have to search. I don't recall off the top	12:21:13

1 of my head. 12:21:15

2 Q. You can take a couple of minutes to search, if you'd 12:21:15

3 like, or just to read through the reference. 12:21:18

4 A. Okay. 12:21:20

5 It does mention it on Claim 18. 12:21:40

6 Q. Okay. And what does Claim 18 recite? 12:21:42

7 A. "The method of Claim 14, wherein at least one of the 12:21:48

8 plurality of graphical media indicators representing 12:21:50

9 the plurality of media items comprises a 12:21:53

10 reduced-pixel display image for presentation via an 12:21:58

11 output device." 12:22:00

12 Q. Okay. So does Flora limit its description of reduced 12:22:01

13 pixel to only be a portion of an image? 12:22:11

14 MR. WERBER: Objection. Form. Foundation. 12:22:24

15 A. I don't recall if Dr. Bederson raised that in his 12:22:28

16 report or I would have responded to that, but... I 12:22:36

17 don't recall off the top of my head if Flora makes 12:22:39

18 that restriction through the specification or not. 12:22:47

19 BY MR. BARAZESH: 12:22:50

20 Q. Okay. And just to be clear, in your declaration, it 12:22:51

21 appears that you are affirmatively raising the 12:23:00

22 discussion of what thumbnail image means in relation 12:23:04

1 to Flora as related to whether Flora's disclosure of 12:23:09
2 reduced pixel meets the proposed Samsung instruction. 12:23:19
3 So the fact that Dr. Bederson didn't opine 12:23:28
4 on this, on that specific aspect, isn't really 12:23:31
5 relevant because you are affirmatively raising this in 12:23:39
6 your declaration. 12:23:41
7 So my question is, again, in view of 12:23:42
8 Flora's description of reduced pixel, does Flora limit 12:23:49
9 that reduced pixel cannot be a reduced-size duplicate? 12:24:00
10 MR. WERBER: Objection. Form. 12:24:09
11 A. Can you just -- the last part of your question, just 12:24:33
12 to make sure, was -- was it that Flora would not 12:24:35
13 allow a reduced-pixel format to be anything but a 12:24:43
14 duplicate copy? Sorry, I think I got lost in the 12:24:54
15 last part of your question. 12:24:57
16 BY MR. BARAZESH: 12:24:58
17 Q. Yeah, sure. So the question is, you agree that Flora 12:24:59
18 describes a reduced pixel or thumbnail format. We 12:25:07
19 just talked about the two places you identified, or we 12:25:11
20 identified, where Flora discusses or mentions the term 12:25:16
21 "reduced pixel." 12:25:18
22 And the question is -- go ahead. 12:25:21

1 A. No, no, sorry. I was going to say yes, but go ahead. 12:25:27

2 Q. So then the question is, does Flora's description of 12:25:30

3 reduced pixel preclude a reduced-size duplicate of an 12:25:38

4 image? 12:25:47

5 MR. WERBER: Objection. Form. Foundation. 12:25:49

6 A. The evidence that I see is the exemplary embodiment 12:26:00

7 shown in Figure 3, and in that case, it's clearly not 12:26:04

8 duplicative. It's clearly that reduced pixel means 12:26:16

9 cropped. 12:26:19

10 I am not -- I understand that I am the one 12:26:29

11 who mentioned this particular aspect, but I would 12:26:31

12 note that Dr. Bederson did not. And I'm not putting 12:26:34

13 blame, I am just saying that I have not seen anything 12:26:43

14 in his report about that. And I would be happy to 12:26:46

15 reply if he follows up on this and has another 12:26:49

16 argument or something else, but at least as far as 12:26:52

17 I've seen, I see one exemplary embodiment. I don't 12:26:54

18 see anything to indicate that it would allow this 12:27:00

19 duplicative image that Samsung is proposing. 12:27:01

20 So I -- at least in terms of my reply, I 12:27:07

21 would say if maybe he would think that later, I would 12:27:12

22 like to be able to reply to. 12:27:19

1	BY MR. BARAZESH:	12:27:21
2	Q. So your opinion -- the basis for your opinion that	12:27:21
3	reduced pixel in Flora excludes a reduced-size	12:27:25
4	duplicate of an image is based on Flora's Figure 3; is	12:27:32
5	that correct?	12:27:35
6	A. I would say it's based on Figure 3 and the lack of	12:27:41
7	any other description by Flora to the contrary, only	12:27:43
8	that the exemplary embodiment is Figure 3. So I	12:27:47
9	think the text in its absence of other specification	12:27:50
10	provides an input as well.	12:27:59
11	Q. Does the specification in Flora say that reduced pixel	12:28:02
12	has to mean a cropped image?	12:28:14
13	A. Those words do not appear as a quote like that, but	12:28:15
14	by saying here's an exemplary embodiment and by not	12:28:23
15	providing any other context, I don't have anything	12:28:26
16	that would lead me to understand anything differently	12:28:29
17	than, in their concept, reduced pixel is profit.	12:28:33
18	I don't know if Dr. Bederson has any other	12:28:40
19	evidence for that because I haven't seen it, but at	12:28:42
20	least from what I'm seeing in this reference, I only	12:28:45
21	see that one exemplary embodiment.	12:28:47
22	Q. You agree that Figure 3 is exemplary. Correct?	12:28:51

1 A. It says it's an exemplary embodiment. That's fair. 12:29:01

2 Q. Okay. So there could be other examples in Figure 3 -- 12:29:04

3 or, sorry, scratch that. 12:29:07

4 So Flora could recite different examples 12:29:08

5 based on its disclosure. You agree? 12:29:12

6 MR. WERBER: Objection. Form. Foundation. 12:29:15

7 A. I have not gone through to see if they have any other 12:29:20

8 text or comments that refer to things like the 12:29:25

9 present invention or limiting text. I don't see 12:29:27

10 anything in here that would indicate that, and I 12:29:32

11 haven't seen Dr. Bederson say anything about this 12:29:35

12 either. 12:29:37

13 BY MR. BARAZESH: 12:29:38

14 Q. So your opinion is that if the written description of 12:29:38

15 a reference doesn't say -- well, scratch that. 12:29:46

16 Is your opinion of reduced pixel, as 12:30:02

17 discussed by Flora, influenced by anything other than 12:30:06

18 the Flora reference itself? 12:30:12

19 MR. WERBER: Objection. Form. 12:30:17

20 A. I mean, it would also be my own understanding of that 12:30:29

21 terminology, but there are no other references that I 12:30:33

22 have looked at that inform that particular piece. 12:30:36

1 BY MR. BARAZESH: 12:30:45

2 Q. What is your -- you mentioned your own understanding 12:30:45

3 of the term. What is your understanding of the term 12:30:47

4 "reduced pixel" that you're bringing to the table in 12:30:50

5 forming your opinion? 12:30:56

6 MR. WERBER: Objection. Form. Foundation. 12:30:57

7 A. So I did not endeavor to define "reduced pixel" in my 12:31:00

8 report. I haven't really given thought to all of the 12:31:04

9 ways that Flora might be using that, so I would want 12:31:07

10 to take more time to properly define something before 12:31:11

11 a court of law. 12:31:16

12 All I can tell you, I mean that was in my 12:31:17

13 report, was that the example of reduced pixel that was 12:31:21

14 used seems to be one where they cropped the image, and 12:31:24

15 I haven't seen anything to the contrary to show 12:31:28

16 something different. 12:31:34

17 BY MR. BARAZESH: 12:31:34

18 Q. So you just mentioned, correct me if I'm wrong, you 12:31:34

19 didn't consider all the ways Flora used reduced pixel? 12:31:37

20 Is that what you said? Or could you please just 12:31:41

21 rephrase that for me or repeat it. 12:31:46

22 A. No. What I meant was, I didn't establish the metes 12:31:48

1 and bounds of, you know, what -- I didn't endeavor to 12:31:55
 2 discover all of the ways that reduced pixel might 12:31:57
 3 have been used in, you know, parlance and other 12:31:59
 4 areas. 12:32:03

5 But at least in Flora, as it stands, it 12:32:03
 6 seems like the only embodiment that they are 12:32:09
 7 providing is this particular one where it's a cropped 12:32:11
 8 image. And, you know, in my reply report, I haven't 12:32:19
 9 seen anything from Mr. Bederson that would indicate 12:32:21
 10 anything differently. My job is to reply. 12:32:24

11 And as you mentioned, you know, this is not 12:32:28
 12 something that he has addressed yet, so maybe once he 12:32:30
 13 addresses it I'll be able to reply, but I have not 12:32:33
 14 endeavored to form an opinion on that. 12:32:36

15 Q. So what you did form an opinion on is that Flora's 12:32:38
 16 description of reduced pixel does not meet an 12:32:53
 17 interpretation where a thumbnail image is to mean 12:33:03
 18 reduced-size duplicate of an image; is that correct? 12:33:07

19 MR. WERBER: Objection. Form. 12:33:14

20 A. I think I would say that as Dr. Bederson is using the 12:33:18
 21 embodiment in Figure 3 as an example of a thumbnail, 12:33:24
 22 I would say that in itself is problematic if 12:33:31

1 Samsung's construction is adopted. If Dr. Bederson 12:33:38
2 wants to point to something else, I would be more 12:33:43
3 than happy to look at that. But at least in terms of 12:33:45
4 the Samsung claims construction, I believe that 12:33:47
5 creates a problem for the Figure 3 embodiment. 12:33:50
6 BY MR. BARAZESH: 12:33:55
7 Q. And the problem is, in your view, that Flora's 12:33:56
8 description of reduced pixel does not include a 12:34:01
9 reduced-size duplicate of an image. And that's 12:34:11
10 drawing from what you say in paragraph 137, which -- 12:34:14
11 where you say, "a POSITA would understand the phrase 12:34:22
12 'reduced-pixel or thumbnail format' refers to icon 59 12:34:31
13 of Figure 3 discussed above. Icon 59 would have a 12:34:36
14 reduced number of pixels because it comprises only a 12:34:39
15 portion of the original image." 12:34:42
16 MR. WERBER: Objection. Form. 12:34:52
17 BY MR. BARAZESH: 12:34:54
18 Q. Sorry, what was -- you guys both spoke at the same 12:34:54
19 time. 12:34:56
20 A. I was just saying that what you read is -- you read a 12:34:57
21 paragraph out of my report, and I'm saying that 12:35:00
22 that's correct, that is what my report says. 12:35:01

1 Q. Okay. And just so I'm clear, your understanding of 12:35:05
2 reduced pixel recited in the Flora reference is based 12:35:14
3 on the Flora reference alone or the Flora reference in 12:35:19
4 combination with your understanding as a POSITA and 12:35:26
5 your general knowledge as a POSITA? 12:35:31

6 MR. WERBER: Objection. Form. 12:35:35

7 A. I mean, I'm not sure how to decouple the two. When I 12:35:38
8 read something, I'm interpreting it using my own 12:35:45
9 knowledge, but it's -- you know, I have not gone and 12:35:49
10 looked at other prior art trying to discover some 12:35:58
11 other meaning for that term. I'm just looking at the 12:36:05
12 example provided by Dr. Bederson as an illustrative 12:36:07
13 example of Figure 3. 12:36:11

14 BY MR. BARAZESH: 12:36:12

15 Q. So does Flora define what reduced pixel means, in your 12:36:13
16 opinion? 12:36:21

17 A. To the extent that they are defining it by example, I 12:36:29
18 think that's one option, is that they are presenting 12:36:36
19 it as the exemplary embodiment teaching how to 12:36:39
20 perform it, and in that sense it's showing cropping 12:36:46
21 as the mechanism. 12:36:48

22 I don't see anything else that would give 12:36:50

1 an example of a resized duplicate. 12:36:53

2 Q. So the basis for your opinion about Flora's reduced 12:37:00

3 pixel or thumbnail format is based on Figure 3 in 12:37:05

4 Flora; is that correct? 12:37:14

5 MR. WERBER: Objection. Form. Foundation. 12:37:15

6 A. Certainly based in part on Figure 3. That certainly 12:37:23

7 contributes to it because that is the exemplary 12:37:27

8 embodiment that they mention. 12:37:27

9 BY MR. BARAZESH: 12:37:31

10 Q. And what else? Because you said "based in part on 12:37:31

11 Figure 3." So what else is it based on? What else is 12:37:33

12 your understanding of the term "reduced pixel" based 12:37:36

13 on? 12:37:38

14 A. I would say it's the spec as read by one of ordinary 12:37:41

15 skill in the art. 12:37:45

16 Q. And does the spec say anything about what reduced 12:37:46

17 pixel means? 12:37:51

18 A. When the spec makes mention of reduced pixel, it 12:37:56

19 refers to Figure 3 as an exemplary embodiment. 12:37:59

20 Q. Okay. So it refers to Figure 3. So it's kind of -- 12:38:03

21 is there anything in the written description alone 12:38:10

22 about reduced pixel that informs your understanding of 12:38:13

1	(Back on the record at 12:41 p.m.)	12:41:00
2	BY MR. BARAZESH:	12:41:03
3	Q. So let's look at Flora, and it's Figure 3. Let me	12:41:03
4	know when you're there.	12:41:15
5	A. Let me get to that.	12:41:27
6	Okay. I'm there.	12:41:32
7	Q. Okay. Do you understand Flora's Figure 3 is showing	12:41:33
8	thumbnail images arranged side by side in time series?	12:41:39
9	A. Are you referring to 66 or what are you referring to?	12:41:53
10	Q. I'm just referring to the figure as a whole. Do you	12:41:58
11	see any thumbnail images arranged in time series?	12:42:02
12	MR. WERBER: Objection. Form. Foundation.	12:42:08
13	A. So you say "time series." I don't remember that. Is	12:42:15
14	that being used by Dr. Bederson in his description of	12:42:21
15	this figure or from Flora itself? I don't recall.	12:42:24
16	BY MR. BARAZESH:	12:42:24
17	Q. That is used in the document -- in the prior art	12:42:32
18	documents that are in the combination.	12:42:37
19	So my question -- and we can look at your	12:42:41
20	declaration. Let me pull that up.	12:42:46
21	Actually, why don't we go to -- let's go to	12:43:02
22	Okamura, Exhibit 1004.	12:43:05

1 A. So I don't think -- have you put that in the chat 12:43:07
2 already? 12:43:11
3 Q. Oh, we have not -- we haven't entered that one. My 12:43:11
4 apologies. 12:43:15
5 A. Okay. 12:43:15
6 Q. Let's do that. 12:43:15
7 MR. BARAZESH: So I'm going to put into the 12:43:18
8 chat now, this is Exhibit 1004, Okamura. Let me know 12:43:19
9 when you can open it. 12:43:36
10 INTRODUCED INTO THE RECORD: 12:43:40
11 PREVIOUSLY MARKED EXHIBIT 1004 12:43:40
12 12:43 p.m. 12:43:42
13 A. It's downloading now. This one is a little bigger. 12:43:42
14 BY MR. BARAZESH: 12:43:46
15 Q. It's a big one. 12:43:46
16 A. Okay. I have it open. 12:43:54
17 Q. Okay. Do you recognize this document as being 12:43:55
18 Exhibit 1004, Okamura, in this proceeding? 12:43:58
19 A. Yes, it appears to be. 12:44:02
20 Q. Okay. Great. 12:44:03
21 So let's go to -- why don't we go to 12:44:10
22 paragraph 7. Let me know when you're there. 12:44:17

1	A. Okay. I am there.	12:44:31
2	Q. Okay. And you see, the top -- the first sentence of	12:44:36
3	paragraphs 7 -- well, actually, let's go to -- why	12:44:47
4	don't we start off a little bit earlier in the	12:44:52
5	reference.	12:44:55
6	Let's go to paragraph 5. Paragraph 5.	12:44:55
7	A. Okay.	12:45:05
8	Q. And you can see that that starts out with the	12:45:05
9	sentence, "For example, there has been proposed an	12:45:08
10	information processing apparatus which arranges	12:45:10
11	thumbnail icons of images side by side in time series	12:45:13
12	and displays the thumbnail icons in a film window,	12:45:17
13	displays position icons indicating the shooting	12:45:24
14	locations of these images in a map window and displays	12:45:27
15	these icons in association with each other," and then	12:45:29
16	referring to a Japanese reference at Figure 12.	12:45:33
17	Do you agree with that?	12:45:35
18	A. Yes, sir.	12:45:41
19	Q. Okay. And then in paragraph 6, again, starting with	12:45:41
20	the first sentence, "Also, there has been proposed an	12:45:46
21	information processing system which arranges thumbnail	12:45:51
22	images side by side in time series and displays the	12:45:54

1 thumbnail images on an image list display section, 12:45:57
 2 displays markers at positions on a map corresponding 12:46:01
 3 to the shooting locations of these images, and 12:46:06
 4 displays these images in markers in association with 12:46:08
 5 each other." 12:46:11

6 And then referring to a different Japanese 12:46:12
 7 patent application at Figure 7. Do you agree with 12:46:14
 8 that? 12:46:21

9 A. Yes, sir. 12:46:21

10 Q. And did you -- did you review paragraphs 5 and 6 of 12:46:21
 11 Okamura? 12:46:28

12 A. Yes. I believe they're referring to the Takakaura 12:46:30
 13 and Fujiwara reference. 12:46:34

14 Q. Okay. And you agree that you reviewed the Flora 12:46:38
 15 reference, Exhibit 1005, as well? 12:46:42

16 A. Yes, sir. 12:46:47

17 Q. Okay. So my question is, in your opinion, does 12:46:47
 18 Figure 3 of Flora include thumbnail images side by 12:46:56
 19 side in time series? 12:47:02

20 A. I don't recall providing that opinion in my report. 12:47:10
 21 I'm not sure I've done that analysis. 12:47:13

22 Q. Okay. So you haven't analyzed whether Flora, and 12:47:15

1	specifically in Figure 3, whether Flora arranges	12:47:21
2	thumbnail images side by side in a time series?	12:47:24
3	A. I don't recall doing that analysis. If it's in my	12:47:29
4	report somewhere, I'm happy to try to refresh my	12:47:31
5	memory, but I don't recall performing that analysis.	12:47:36
6	Q. Okay. Let's go to paragraph 7 of Okamura.	12:47:40
7	A. Okay.	12:47:51
8	Q. Paragraph 7 starts with, "According to the related art	12:47:53
9	described above."	12:47:56
10	Do you agree with that?	12:47:58
11	A. It does start with that, that's true.	12:48:02
12	Q. So what, in your opinion, is the "related art	12:48:04
13	described above" that's stated in paragraph 7 of	12:48:07
14	Okamura?	12:48:11
15	A. Well, they talk about, in paragraph 4, different	12:48:16
16	prior art more generally, and then they get into two	12:48:24
17	specific examples of Takakaura and Fujiwara. So I	12:48:28
18	think it's talking about related art as a whole and	12:48:35
19	then just giving two pieces of exemplary art.	12:48:39
20	Q. And the "related art as a whole," what would that be,	12:48:50
21	in your opinion?	12:48:54
22	A. So I think they talk about generally, like in the	12:48:56

1	last paragraph -- I'm sorry, the last sentence of	12:49:02
2	paragraph 4, generally, information processing	12:49:04
3	apparatuses, with generated position of content	12:49:09
4	identified by positional information, displayed in	12:49:13
5	association with the content.	12:49:16
6	I think that's a general class of prior art	12:49:18
7	that Okamura talks about and tries to distinguish	12:49:22
8	itself from.	12:49:27
9	Q. Okay. And you agree that later on in Okamura,	12:49:28
10	paragraphs 8 through 12, that discussion is regarding	12:49:38
11	the related art as described by Okamura. Correct?	12:49:46
12	A. [Inaudible].	12:49:46
13	Q. Sorry, what was that?	12:49:58
14	A. Let me just refresh my memory and look at 8 through	12:50:01
15	12.	12:50:03
16	Q. Okay. Sure.	12:50:04
17	A. Yeah, I think all of this deals with their	12:50:25
18	motivation, what they found lacking in the prior art.	12:50:28
19	That's fair, yeah.	12:50:32
20	Q. So you agree that -- just to recap, you agree that	12:50:33
21	paragraphs 8 through 12 refer to the related art	12:50:36
22	described by Okamura?	12:50:41

1	A. [Inaudible].	12:50:41
2	Q. Sorry, I can't hear.	12:50:48
3	A. So it sounds like you're asking that if -- you're	12:50:50
4	limiting it to Takakaura and Fujiwara, but I think	12:50:55
5	Okamura is saying, more generally, this is the	12:51:01
6	problem that we're trying to solve, and prior art is	12:51:05
7	really doing something that would not be able to	12:51:10
8	accomplish this.	12:51:15
9	So I think it's both -- I don't want to	12:51:16
10	say -- condemnation is a pretty powerful word, but	12:51:20
11	it's a condemnation of prior art, as well as sort of	12:51:25
12	what, you know, goal we're trying to accomplish.	12:51:28
13	Q. Okay. So your opinion is that the description of	12:51:32
14	paragraphs 8 through 12 is not related to the related	12:51:38
15	art -- sorry, scratch that.	12:51:54
16	So I'm just trying to understand how you're	12:51:56
17	interpreting paragraphs 8 through 12. Because	12:51:58
18	paragraph 8 states, "in the related art described	12:52:03
19	above" -- that's how paragraph 8 starts -- and then	12:52:07
20	paragraphs 9 through 12 discuss what seem to be	12:52:14
21	examples.	12:52:19
22	And if I'm understanding you correctly,	12:52:21

1 what you're saying is that the disclosure in 12:52:24
 2 paragraphs 8 through 12 is not limited to the related 12:52:29
 3 art that Okamura discusses, that it's something 12:52:33
 4 broader; is that correct? 12:52:37
 5 A. Well -- 12:52:42
 6 MR. WERBER: Objection. Form. 12:52:42
 7 A. -- I think the -- I think one way of understanding 12:52:43
 8 this is, in paragraph 4, they talk about Okamura. It 12:52:48
 9 talks generally about related art, proposed 12:52:55
 10 information processing apparatuses, what types of art 12:53:00
 11 is out there generally, and then there's a "for 12:53:05
 12 example." This is one example and here's another 12:53:09
 13 example. 12:53:13
 14 So the Takakaura and Fujiwara references 12:53:16
 15 are given as examples of that large group of prior 12:53:21
 16 art, that large class of prior art. 12:53:25
 17 And then the criticism that is levied in 8 12:53:26
 18 through 12 certainly relates to the examples, but 12:53:29
 19 additionally also relates to the prior art as a whole. 12:53:31
 20 So I'm not -- I think, you know, we're kind 12:53:33
 21 of going through extremes here where it doesn't relate 12:53:36
 22 or it only relates. It certainly relates to the 12:53:40

1 examples, but it is not limited to those examples. 12:53:43

2 It's talking generally about in prior art as a whole 12:53:48

3 what is lacking and what is the motivation here. 12:53:51

4 BY MR. BARAZESH: 12:53:56

5 Q. Okay. So I understand what you're saying about the 12:53:56

6 examples in paragraph 5 and paragraph 6 related to the 12:54:01

7 two Japanese references. You mentioned that 12:54:06

8 paragraph 4 is a broader description, in your opinion, 12:54:10

9 of the related art. Is that accurate? 12:54:14

10 A. I don't know if it's necessarily a "description," but 12:54:20

11 it is a broader statement about the prior art. 12:54:24

12 That's fair. 12:54:26

13 Q. Okay. And you agree that in paragraph 3 that recites 12:54:28

14 the Number 2, Section 2, and then description of the 12:54:36

15 related art; is that correct? 12:54:41

16 A. That -- paragraph 3 does say that. That's fair. 12:54:46

17 Q. And then you agree that in paragraph 7, the 12:54:48

18 sentence -- the first sentence of paragraph 7 says, 12:54:55

19 "According to the related art described above." 12:54:57

20 You agree with that? 12:55:00

21 A. If you're asking if that says "according to the 12:55:03

22 related art," it does say that, but I don't think 12:55:08

1 that that limits what they're talking about to only 12:55:10
2 that specific related art that is given as an example 12:55:15
3 in 5 and 6. 12:55:20
4 Q. Yeah. So that's -- I'm not asking if it's limited to 12:55:20
5 the two references in 5 and 6. I guess my question 12:55:27
6 is, it looks like, from the Okamura reference, 12:55:31
7 paragraphs 3 through 6 are what Okamura considers its 12:55:34
8 description of related art. Do you agree with that? 12:55:39
9 MR. WERBER: Objection. Form. 12:55:46
10 A. Okamura has certainly -- 12:55:47
11 THE WITNESS: Sorry, Matt. 12:55:55
12 MR. WERBER: Keep going. 12:55:56
13 A. Okamura has certainly labeled this as a description 12:55:57
14 of the related art, but I believe that it is also a 12:56:02
15 general statement about the types of art in general, 12:56:05
16 and so I don't think it's an attempt to enumerate all 12:56:12
17 of the art. 12:56:14
18 BY MR. BARAZESH: 12:56:19
19 Q. Okay. So would you agree, then, that in paragraph 7, 12:56:19
20 in the first sentence that says, "according to The 12:56:24
21 related art described above," Okamura is referring to 12:56:27
22 what it says in its paragraphs 3 through 6, which is 12:56:32

1	titled Description of the Related Art?	12:56:37
2	A. At least for that first sentence, they are talking	12:56:51
3	about the related art described above, and so it	12:56:55
4	would be fair that that's any of the art described	12:56:59
5	above, yeah.	12:57:03
6	Q. And in paragraph 8, the first sentence also says,	12:57:06
7	"however, in the related art described above."	12:57:09
8	So the same question. Would you understand	12:57:15
9	that that sentence, where it says "the related art	12:57:17
10	described above," is referring to paragraphs 3 through	12:57:21
11	6 of Okamura?	12:57:24
12	A. I think it's fair that it's describe -- it's	12:57:31
13	referring to paragraphs 3 through 6, which talk about	12:57:32
14	general prior art and two specific references in	12:57:36
15	particular, yes.	12:57:40
16	Q. Okay. So let's go back to -- check what time.	12:57:41
17	Yeah, let's go back to Exhibit 1001, '228	12:57:58
18	patent.	12:58:03
19	A. Okay.	12:58:07
20	Q. Sorry, I've been skipping around a little bit here,	12:58:07
21	so...	12:58:10
22	So let's go to Figure 2 of the '228 patent.	12:58:27

1	Let me know when you're there.	12:58:35
2	A. Figure 2, I am there.	12:58:44
3	Q. Okay. And in Figure 2, do you see that picture in the	12:58:46
4	upper right-hand corner where underneath it it says	12:58:51
5	Location, Historical Society, Lisle, Illinois, 60532?	12:58:56
6	A. I do see that.	12:59:05
7	Q. Okay. Is that picture in the upper right-hand corner	12:59:06
8	of Figure 2 a map?	12:59:11
9	A. It's a little blurry, but it appears to be a map.	12:59:12
10	Q. Okay. Let's go to Figure 34.	12:59:26
11	A. Is that noise distracting? I'm sorry. Someone just	12:59:35
12	started vacuuming above me. I don't understand why	12:59:39
13	they're vacuuming right now, but they are.	12:59:43
14	Q. That's okay. It's not distracting to me.	12:59:44
15	A. Okay.	12:59:47
16	Sorry, where am I going?	12:59:47
17	Q. Figure 34 --	12:59:50
18	A. Okay.	12:59:55
19	-- of the '228 patent.	12:59:56
20	A. I am at Figure 34.	13:00:07
21	Q. Okay. And do you see in Figure 34 the item referred	13:00:09
22	to as -- referred to -- strike that.	13:00:22

1	In Figure 34, there's an item referred to	13:00:26
2	by numeral 1635; is that correct? In the bottom	13:00:31
3	left-hand corner of the figure.	13:00:39
4	A. Yes.	13:00:40
5	Q. Okay. Is Item 1635 in Figure 34 a map, in your	13:00:44
6	opinion?	13:00:51
7	Sorry, I think I just misspoke. Strike	13:00:56
8	that.	13:01:00
9	Is Item 1635 in Figure 34 a map, in your	13:01:00
10	opinion?	13:01:07
11	A. I just wanted to clarify for this and for the	13:01:11
12	previous question, I believe, yes, it is a map, but I	13:01:15
13	want to make it clear that when I say it's a map,	13:01:22
14	that's a general understanding of what a map would be	13:01:24
15	and not necessarily the map claimed in the invention,	13:01:30
16	the interactive map.	13:01:32
17	But I would say that it is a map, yes.	13:01:34
18	Q. Okay. And now we can go to column 24 of the '228	13:01:36
19	patent. Let's go to lines 52 through 54.	13:01:44
20	A. Column 24, 52 to 54. Is that what you said?	13:01:56
21	Q. Yeah.	13:02:01
22	A. I'm there.	13:02:01

1 Q. So you agree that this -- the lines 52 through 54 13:02:02
2 state, "an interactive map displaying a zoomed-in 13:02:08
3 image of the specific location is displayed," and then 13:02:13
4 parentheses 1635; is that correct? 13:02:17
5 A. Yeah, which is the number we just looked at, I 13:02:22
6 believe. 13:02:24
7 Q. Yeah. 13:02:24
8 So do you agree that in Figure 34 Item 1635 13:02:27
9 is an interactive map? 13:02:34
10 A. It is called an interactive map by this particular 13:02:40
11 statement. Whether it fits all the other elements of 13:02:45
12 the claim's interactive map is a different story, but 13:02:48
13 it at least is identified as an interactive map. 13:02:50
14 Q. Okay. So this -- the '228 specification identifies 13:02:54
15 Item 1635 in Figure 34 as an interactive map. Do you 13:02:58
16 agree with that? 13:03:03
17 A. I think that's what is being shown here. Again, it 13:03:07
18 is not necessarily the one that's claimed, but it as 13:03:10
19 an interactive map. Fair. 13:03:14
20 Q. Okay. 13:03:16
21 MR. BARAZESH: All right. So we're about 13:03:20
22 another hour in. I think I'd actually like to take a 13:03:21

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 break for about -- I don't know, do you guys want to 13:03:29
2 break for lunch now or... 13:03:31
3 MR. WERBER: That's fine for me. 13:03:32
4 (Off the record at 1:03 p.m.) 13:34:11
5 (Back on the record at 1:34 p.m.) 13:34:11
6 BY MR. BARAZESH: 13:34:13
7 Q. Dr. Reinman, did you have any conversations with 13:34:15
8 Mr. Werber, or anyone from Memory Web, during the 13:34:17
9 break? 13:34:20
10 A. No, sir. 13:34:21
11 Q. Okay. So let's go to Okamura Exhibit 1004, and let's 13:34:24
12 look at paragraph 324. Let me know when you're there. 13:34:34
13 A. 324. I'm there. 13:34:53
14 Q. Okay. And you can take a minute to look at it, but 13:34:54
15 paragraph 324 states that it is -- "Figure 35 is a 13:35:02
16 diagram, schematically showing a case in which cluster 13:35:08
17 maps to be coordinate-transferred by a nonlinear zoom 13:35:12
18 processing Section 640 are placed on coordinates 13:35:16
19 according to the second embodiment of the present 13:35:19
20 invention." 13:35:21
21 Is that correct? 13:35:22
22 A. It says that, yes, sir. 13:35:29

1	Q. And in the next sentence of paragraph 324, it	13:35:31
2	discusses the map being at a scale allowing regions	13:35:35
3	including Tokyo and Kyoto to be displayed on the	13:35:40
4	display Section 680; is that correct?	13:35:44
5	A. It does say that, yes, sir.	13:35:50
6	Q. Okay. So now let's look at Figure 35 in Okamura, if	13:35:52
7	you can scroll up to that.	13:35:59
8	A. I'm there.	13:36:16
9	Q. Okay. So you agree that Figure 35 is showing content	13:36:17
10	captured in Japan, specifically in regions of Tokyo	13:36:26
11	and Kyoto. Do you agree with that?	13:36:34
12	A. So I would say that Figure 35 is showing cluster maps	13:37:10
13	on top of coordinates on a map that is shown for some	13:37:19
14	cluster maps being close to Tokyo and some cluster	13:37:32
15	maps being close to Kyoto.	13:37:35
16	Q. So you agree that the cluster maps are shown in	13:37:37
17	Figure 35 as being in the Kyoto and the Tokyo regions	13:37:41
18	of Japan. Correct?	13:37:44
19	A. I think that's fair, yes, sir.	13:37:57
20	Q. Does Figure 35 show any cluster maps captured from	13:37:58
21	outside of Japan?	13:38:04
22	A. Not to my knowledge, sir.	13:38:10

1	Q. So does Figure 35 show content captured in Japan	13:38:11
2	simultaneously with content captured outside of Japan?	13:38:21
3	A. You said "content," sir. It's showing cluster maps	13:38:25
4	overlaid on top of --	13:38:30
5	Q. Sure, I can rephrase.	13:38:32
6	A. -- coordinate --	13:38:32
7	Q. I can rephrase.	13:38:33
8	So does Figure 335 show cluster maps in	13:38:34
9	regions of Japan simultaneously with cluster maps in	13:38:41
10	regions outside of Japan?	13:38:46
11	A. To be fair, it's hard to see what exactly these	13:38:53
12	cluster maps are of, but I believe the intention is	13:39:02
13	that these cluster maps are -- they're supposed to	13:39:05
14	represent regions from Tokyo and Kyoto and not	13:39:09
15	outside.	13:39:13
16	Q. Okay. So let's go to Figure 40. Let me know when	13:39:13
17	you're there.	13:39:34
18	A. I am at Figure 40.	13:39:34
19	Q. Okay. And then similar questions. Do you agree that	13:39:36
20	Figure 40 is showing cluster maps in the Kyoto and	13:39:39
21	Tokyo areas of Japan?	13:39:48
22	A. It's a little hard with the distortion on this, but I	13:40:05

1 believe -- let me just see what the spec says about 13:40:08
2 this figure to make sure that I'm understanding it 13:40:10
3 correctly. 13:40:14
4 Q. Sure. 13:40:14
5 A. I don't know if it explicitly says that these are all 13:41:00
6 from those regions, but I believe it is showing for 13:41:04
7 this -- for the second embodiment that it is -- these 13:41:13
8 are -- it's showing regions that are -- at least the 13:41:21
9 cluster maps are clustered around -- in their 13:41:22
10 placement, clustered around Kyoto and Tokyo. That's 13:41:24
11 fair. 13:41:28
12 Q. Okay. And does Figure 41 in Okamura show cluster maps 13:41:28
13 in these regions of Kyoto and Tokyo simultaneously 13:41:36
14 with cluster maps in regions outside of Japan? 13:41:44
15 A. Let me see -- look at Figure 41 first if I can. 13:42:24
16 Sorry, it takes a little while to scroll back and 13:42:31
17 forth between figures and -- 13:42:34
18 Q. Yeah, I'm sorry, I may have misspoke. My question was 13:42:35
19 for Figure 40. So we can address that first. 13:42:38
20 A. Oh, I thought you said -- 13:42:42
21 Q. I may have said Figure 41, but -- I'll re-ask it. 13:42:43
22 A. Okay. 13:42:43

1	Q. Does Figure 40, 4-0, show content captured in the	13:42:48
2	Kyoto and Tokyo regions simultaneously with content	13:42:54
3	captured at some location outside of Japan?	13:43:00
4	A. I don't think Figure 40 shows any content captured in	13:43:14
5	any location in Japan.	13:43:21
6	Q. Okay. So what's your understanding of the cluster map	13:43:22
7	in Okamura?	13:43:24
8	A. The cluster map is -- they go through a lot of effort	13:43:27
9	in Okamura to choose a map portion that is	13:43:30
10	representative of a region, a geographical region.	13:43:36
11	So I think you were asking about, like,	13:43:42
12	photos and other media content that would be taken,	13:43:44
13	and that's not shown here in Figure 40. These are	13:43:47
14	cluster maps that are overlaid on a map.	13:43:50
15	Q. And what is a cluster map representative of in	13:43:53
16	Okamura?	13:43:56
17	A. I think it might depend on the embodiment, but at	13:44:05
18	least in this instance, I think it's supposed to be	13:44:07
19	representative of a geographical region. There's a	13:44:10
20	landmark, for example, Mount Atago -- it's hard to	13:44:13
21	read -- that I think would give context for someone	13:44:17
22	who knows Kyoto that this is a region close to	13:44:20

1 map is related to a location where contents is 13:45:42
2 generated? 13:45:46
3 A. That belongs to the corresponding cluster, that's 13:45:49
4 fair. Yes, sir. 13:45:51
5 Q. Okay. So now looking again at figure -- Figures 35 13:45:55
6 and Figure 40, do you agree, then, that the cluster 13:46:01
7 maps shown in Figures 35 and 40 relate to content 13:46:07
8 captured at each of those identified locations? 13:46:14
9 A. I believe that's correct, yes, sir. 13:46:21
10 Q. Okay. And so you would agree that Figures 35 and 40 13:46:23
11 do not show content captured in the Kyoto and Tokyo 13:46:31
12 regions simultaneously with content captured outside 13:46:37
13 of Japan? 13:46:41
14 A. I just want to be clear from the way you're asking 13:46:55
15 the question. I just want to be clear that, even 13:47:00
16 with that relationship that the cluster map is 13:47:04
17 representative of a location where content was 13:47:08
18 obtained, even with that, there is no content being 13:47:13
19 shown in these maps at all. 13:47:19
20 So I think if your question was it's -- are 13:47:21
21 these cluster maps, is content from Kyoto being shown 13:47:25
22 with content that's not from Kyoto or anywhere in 13:47:33

1	Japan, there's no content shown at all. It's just	13:47:38
2	cluster maps that are shown.	13:47:40
3	Q. Okay. So how about -- how about -- so what is -- so	13:47:41
4	is your understanding, then, that cluster maps do not	13:47:45
5	represent areas where content have been captured?	13:47:51
6	A. No, sir, not that -- I wouldn't agree with that	13:47:57
7	statement.	13:47:59
8	Q. Okay.	13:47:59
9	A. I agree that they are related, and as you pointed out	13:48:00
10	in that quote, they do relate to those areas. I'm	13:48:05
11	just saying that it's not -- displaying a content map	13:48:10
12	is not the same as displaying the content.	13:48:14
13	Q. So what is the purpose of displaying cluster maps in	13:48:17
14	Okamura, in your opinion?	13:48:22
15	A. I believe that the cluster map intent -- it may be	13:48:26
16	different for different embodiments, but I believe	13:48:32
17	that the cluster map intent is to give a	13:48:35
18	representation of where content would have been taken	13:48:37
19	that is in a form that gives context, so that even if	13:48:40
20	someone is looking at it apart from a map, the	13:48:47
21	cluster map gives context as to where that location	13:48:52
22	for particular content was.	13:48:56

1	But displaying the cluster map is not the	13:49:01
2	same as displaying the content, if that makes sense.	13:49:03
3	Q. Okay. So I can rephrase, then.	13:49:06
4	So you would agree that in Figures 35 and	13:49:09
5	40, Okamura does not show content -- sorry. Strike	13:49:12
6	that. There's a lot of content and cluster maps	13:49:24
7	flying around here.	13:49:29
8	So you would agree that in Figures 35 and	13:49:30
9	40, Okamura does not show cluster maps from regions in	13:49:32
10	the Kyoto and Tokyo areas simultaneously with cluster	13:49:36
11	maps from regions outside of Japan?	13:49:43
12	A. I think that's fair, but with the caveat that I can't	13:49:53
13	really tell what's in the cluster map pile of	13:49:56
14	Figure 35, and to some extent even Figure 40.	13:50:02
15	So I think that that's the intent, but I	13:50:05
16	can't independently verify that.	13:50:09
17	Q. So you can't tell from Figures 35 and 40 in Okamura	13:50:12
18	whether the cluster maps are specific to the regions	13:50:16
19	around Kyoto, Nagoya, Shizuoka, and Tokyo, for	13:50:24
20	example, which is shown in Figure 40 and 35?	13:50:35
21	A. Well, so to be clear, like, if you look at 761 which	13:50:41
22	has I would say at least four cluster maps, possibly	13:50:46

1 more, that are piled up in the Kyoto region -- 13:50:49

2 Q. Uh-huh. 13:50:53

3 A. -- I can tell from the top cluster map in 13:50:53

4 Figure 35 -- I can tell from the top cluster map that 13:50:58

5 this is a location close to Kyoto City. And I can 13:51:03

6 tell the intent would have been to place cluster 13:51:07

7 maps -- by reading the description, I can tell the 13:51:11

8 intent was to place cluster maps that are near Kyoto 13:51:14

9 City in this pile. 13:51:18

10 But I'm just saying I can't see the other 13:51:18

11 cluster maps to be able to tell you definitively 13:51:22

12 whether that cluster map goes somewhere else or not. 13:51:26

13 I'm just -- 13:51:28

14 Q. Okay. 13:51:29

15 A. It may have been a mistake. I [audio distortion]. 13:51:31

16 I'm just saying I can't [audio distortion]. 13:51:34

17 Q. So in your opinion, looking at Figure 35, you can't 13:51:34

18 tell if the cluster maps that are underneath the -- so 13:51:38

19 let me rephrase. 13:51:47

20 Figure 35 shows a cluster map that includes 13:51:48

21 the words Mt. Atago and Kyoto City. Do you agree with 13:51:54

22 that? 13:52:00

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1	A. Yes.	13:52:00
2	Q. Okay. And Figure 35 also shows another cluster map	13:52:03
3	that includes the text Okura Athletic Park, Tokyo, and	13:52:06
4	Soshigaya, is what it looks like. Do you agree with	13:52:15
5	that?	13:52:17
6	A. Yes, sir.	13:52:17
7	Q. And Figure 35 also appears to show cluster maps	13:52:17
8	underneath each of those two cluster maps that I just	13:52:24
9	identified with you; is that correct?	13:52:30
10	A. That's true.	13:52:33
11	Q. And is it your opinion, then, for those underneath	13:52:33
12	"cluster maps," that you are unable to tell whether	13:52:37
13	they are cluster maps for regions near Kyoto City and	13:52:42
14	Tokyo or if they're cluster maps related to regions	13:52:49
15	somewhere else in the world; is that correct?	13:52:54
16	A. Well, I can see from the description that these are	13:52:58
17	ostensibly supposed to be cluster maps that are from	13:53:08
18	that particular region, either Kyoto or Tokyo.	13:53:10
19	But if you're asking if I can actually see	13:53:14
20	and verify the cluster maps -- I mean, they're piled	13:53:16
21	one on top of another. I don't think anyone can	13:53:19
22	verify that. We just have to look at the patent and	13:53:21

1 take the description because there's no way to see 13:53:24
2 those cluster maps that are underneath. 13:53:26

3 Q. Okay. So in view of the description in Figure 35, is 13:53:30
4 it your opinion that those cluster -- the cluster maps 13:53:36
5 shown in Figure 35 are in the Kyoto City and Tokyo 13:53:39
6 regions? 13:53:44

7 A. I believe that's the intent. 13:53:46

8 Q. Okay. And in view of the description of Okamura and 13:53:48
9 Figure 35, is it your opinion that the cluster maps in 13:53:56
10 Figure 35 are displayed simultaneously with cluster 13:54:01
11 maps in regions outside of Japan? 13:54:05

12 A. I don't believe that is the intent. I believe the 13:54:13
13 intent is that they are only showing cluster maps 13:54:15
14 from regions within Japan. 13:54:18

15 Q. Okay. And then going to Figure 40, the cluster maps 13:54:20
16 are now spread apart a little bit in Figure 40, so you 13:54:27
17 can see -- you can see those underneath cluster maps 13:54:34
18 maybe a little more clearly. Do you agree? 13:54:39

19 A. Yes. 13:54:42

20 Q. So in view of the Okamura reference -- it says Written 13:54:42
21 Description and Figure 40 -- is it your opinion that 13:54:49
22 the cluster maps shown in Figure 40 are displayed 13:54:57

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 simultaneously with cluster maps displayed -- sorry, 13:55:02
2 scratch that question. 13:55:08

3 If you look at Okamura in Figure 40, is it 13:55:09
4 your opinion that the cluster maps shown in Figure 40 13:55:13
5 are displayed simultaneously with cluster maps from 13:55:16
6 regions outside of Japan? 13:55:21

7 A. I do not believe that was their intention. I believe 13:55:29
8 their intention was to show cluster maps from inside 13:55:31
9 of Japan, here. 13:55:33

10 Q. Okay. And we can go to Figure 41 now of Okamura. Let 13:55:36
11 me know when you're there. 13:55:50

12 A. You said 41, right? 13:55:56

13 Q. Correct. 13:55:59

14 A. Okay. I'm there. 13:56:05

15 Q. So in Figure 41, do you agree that there are cluster 13:56:06
16 maps that look to be located near Nagoya in Japan, and 13:56:11
17 Kyoto City, and also cluster maps located near Tokyo 13:56:24
18 in Japan; is that correct? 13:56:28

19 A. That's fair. 13:56:33

20 Q. Okay. And in view of Okamura's written description 13:56:34
21 and Figure 41, does Figure 41 of Okamura show cluster 13:56:41
22 maps in the Kyoto region and cluster maps in the Tokyo 13:56:48

1 region simultaneously with cluster maps located 13:56:54
2 outside of Japan? 13:56:59
3 A. I don't believe that that is there, that they are 13:57:01
4 outside -- that they are showing cluster maps outside 13:57:09
5 of Japan. 13:57:11
6 Q. Okay. And you agree that Kyoto City and Tokyo are 13:57:13
7 cities in Japan. Correct? 13:57:18
8 A. [Audio distortion]. 13:57:18
9 Q. Okay. So let's go -- 13:57:18
10 STENOGRAPHER: Would you verbally answer, 13:57:18
11 please. 13:57:32
12 THE WITNESS: I said "yes."
13 STENOGRAPHER: Thanks.
14 THE WITNESS: The audio just kind of cut
15 out a little bit, I think.
16 BY MR. BARAZESH:
17 Q. So I can just re-ask it, though, just so it's clean. 13:57:45
18 So you understand that the cities Kyoto -- 13:57:47
19 Kyoto City and Tokyo are cities in Japan. Correct? 13:57:54
20 A. Yes, that's correct. 13:58:00
21 Q. All right. Let's go to, now, Figure 27 in Okamura. 13:58:07
22 A. Okay. 13:58:14

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 Q. Give me one second. I'm just going to pull up. 13:58:23
2 Okay. Let me know when you're at 13:58:46
3 Figure 27. 13:58:50
4 A. Yes. 13:58:50
5 Q. Okay. 13:58:51
6 A. I'm there. 13:58:59
7 Q. All right. So Figure 27 -- sorry, my pdf viewer just 13:59:00
8 closed, so I'm just reopening it quickly. There we 13:59:00
9 go. 13:59:00
10 So Figure 27, do you understand that images 13:59:24
11 captured at a location where a downtown walk occurred 13:59:29
12 are displayed by the map of Figure 27A? 13:59:37
13 A. Can you repeat that question? I just want to make 13:59:50
14 sure I get all the -- 13:59:52
15 Q. Yeah, sure. So in Figure 27A, do you agree that 13:59:54
16 column 10 photos, in this example, captured at the 13:59:58
17 location of a downtown walk, are displayed on a map? 14:00:06
18 A. We're talking about 27A and 27B. There are no photos 14:00:15
19 displayed on the map. You said if photos are 14:00:21
20 displayed. I don't see any photos displayed. 14:00:25
21 Q. So I said -- I can rephrase it. 14:00:28
22 So in Figure -- let's actually step through 14:00:30

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

1 the figure. 14:00:32

2 Figure 27A, do you see the box identified 14:00:33

3 as grayed that says Downtown Walk? 14:00:42

4 A. Yes, sir. 14:00:46

5 Q. And you see, to the right of that box, it says 56 14:00:47

6 photos? 14:00:51

7 A. Yes, sir. 14:00:51

8 Q. So do you agree that the map in Figure 27A shows 14:00:52

9 locations where photos of a downtown walk have been 14:01:01

10 captured? 14:01:08

11 A. I think that that's fair, yes, sir. 14:01:15

12 Q. And does Figure 27A show the locations where photos 14:01:17

13 that were captured at different locations to where the 14:01:25

14 downtown walk occurred -- sorry, scratch that 14:01:31

15 question. That was a bad question. 14:01:34

16 So does Figure 27A show the locations where 14:01:35

17 images captured where the downtown walk did not occur 14:01:45

18 on its maps -- on the map section? 14:01:52

19 A. At this point, I know it's showing the locations for 14:02:06

20 the photographs in the downtown walk, but I don't 14:02:09

21 know if there is -- I don't know if there is any 14:02:12

22 overlap in the clusters. I don't know if one of 14:02:17

1	those locations also happens to be overlapping with	14:02:25
2	another cluster map.	14:02:27
3	Q. Okay.	14:02:28
4	A. But I -- at least I could say that downtown walk is	14:02:28
5	evidently the one that is being selected here.	14:02:32
6	Q. Okay. And I'm -- I can kind of rephrase as well.	14:02:35
7	So in your opinion, does Figure 27A show	14:02:42
8	where photos taken at the location of a downtown walk	14:02:47
9	are displayed simultaneously with photos taken at the	14:02:54
10	location of Narita Airport?	14:03:00
11	A. When you asked me if Tokyo was a city in Japan, my	14:03:13
12	geography was good enough for that, but I don't know	14:03:16
13	exactly where is Narita based on this map. So I	14:03:19
14	don't really know if any one of those eight photos	14:03:23
15	happens to overlap with what's currently on the map.	14:03:25
16	Assuming that Narita is off this map or not	14:03:29
17	in the dotted circle, then I would feel comfortable	14:03:34
18	saying, yeah, it doesn't show that.	14:03:37
19	Q. Okay. It does not show that. Okay.	14:03:40
20	So just one more question. So is it your	14:03:47
21	opinion -- well, scratch that.	14:03:49
22	Do you agree that Figure 27A shows where	14:03:55

1	images for a downtown walk were captured, but does not	14:04:05
2	show the location where an image is not captured on	14:04:10
3	the downtown walk were captured? Does that make --	14:04:21
4	did that question make sense to you?	14:04:25
5	A. Yeah, I think I understand the intent, but I would	14:04:28
6	have to give the same answer, that without knowing	14:04:32
7	that these are nonoverlapping clusters, it's hard for	14:04:38
8	me to say that one of those striped triangles doesn't	14:04:41
9	also happen to coincide with another one of the	14:04:46
10	cluster maps. So I don't know.	14:04:48
11	Q. Okay.	14:04:49
12	MR. BARAZESH: Let me take a five-minute	14:04:54
13	break and then I'm just going to collect thoughts and	14:04:57
14	see if there's any further questions I need to ask,	14:04:59
15	and then we can go from there. Does that sound good?	14:05:02
16	(Off the record at 2:05 p.m.)	14:05:10
17	(On the record at 2:10 p.m.)	14:10:19
18	BY MR. BARAZESH:	14:10:19
19	Q. So final question about Figure 27A. So does	14:10:19
20	Figure 27A show the locations where photos were	14:10:26
21	captured of a downtown walk simultaneously with	14:10:28
22	locations where photos were captured in an area	14:10:32

1	outside of where the downtown walk occurred?	14:10:36
2	A. It does not show that.	14:10:45
3	Q. Okay. So let's go to paragraph 116 of your	14:10:48
4	declaration.	14:10:55
5	A. 116, you said. Right?	14:11:00
6	Q. Yep, that's correct. 116.	14:11:03
7	A. I am there.	14:11:15
8	Q. So you referred to the institution decision issued by	14:11:15
9	the Patent Trial and Appeal Board in this proceeding	14:11:19
10	in paragraph 116; is that correct?	14:11:23
11	A. Let me just refresh on this paragraph.	14:11:28
12	Q. Sure.	14:11:32
13	A. I do refer to the institution decision here, that's	14:11:43
14	fair.	14:11:45
15	Q. Did you review the institution decision in this	14:11:46
16	proceeding?	14:11:48
17	A. I do remember looking at it, yes, sir.	14:11:51
18	Q. Did you list the institution decision in your	14:11:54
19	declaration as materials you had considered?	14:11:57
20	A. I don't remember if I did. I don't recall.	14:12:03
21	Q. You can check. It's in paragraph 18. Or it's --	14:12:08
22	paragraph 18 is the list of documents you considered.	14:12:15

1 A. I do not see it listed. 14:12:28

2 Q. So you agree that it was an -- the list of 14:12:32

3 materials -- scratch that. 14:12:34

4 So you would agree that paragraph 18 of 14:12:35

5 your declaration does not fully list the materials you 14:12:40

6 considered in this case? 14:12:45

7 A. It looks like I missed that particular decision. 14:12:48

8 That's fair. 14:12:53

9 Q. Okay. Was there anything you would have liked to have 14:12:54

10 added to the list of materials you considered? 14:12:56

11 A. Other than that decision, I don't know if there's 14:13:00

12 anything else. Nothing comes to mind as I sit here 14:13:05

13 today. 14:13:09

14 Q. Okay. All right. 14:13:09

15 And you reviewed the institution decision 14:13:12

16 that you refer to in paragraph 16 in full? 14:13:14

17 A. I think I read all of it. I don't remember it very 14:13:20

18 well, but I do think I reviewed it, yes, sir. 14:13:23

19 Q. Okay. 14:13:25

20 MR. BARAZESH: All right. I have no 14:13:31

21 further questions unless we need to do a re-cross if 14:13:34

22 there's a redirect. 14:13:37

1 MR. WERBER: Yeah, I have just a couple 14:13:39
2 minor clarifying questions. And I can start right now 14:13:42
3 if that's okay with everybody else. 14:13:48

4 MR. BARAZESH: Sure. 14:13:52

5 MR. WERBER: And I don't have the realtime 14:13:52
6 in front of me, but I do recall -- we'll recall with 14:13:55
7 the witness. 14:14:01

8 EXAMINATION 14:14:01

9 BY MR. WERBER: 14:14:01

10 Q. I believe you testified you did not opine on the metes 14:14:02
11 and bounds of the full universe of map views that 14:14:07
12 could potentially fall within the scope of the claims. 14:14:09

13 A. Yes, sir. 14:14:14

14 Q. However -- and, actually, let's turn to paragraph 73, 14:14:15
15 74, and 75 of your declaration. 14:14:30

16 A. Yes. 14:14:38

17 Q. And just to confirm, did you provide an opinion as to 14:14:39
18 what a POSITA would understand from reading the words 14:14:50
19 of the claim? 14:14:51

20 A. I did under -- under the section that we had talked 14:14:54
21 about, that may or may not be properly termed as 14:14:58
22 claim construction, I did discuss what a person of 14:15:03

1 ordinary skill in the art would have understood from 14:15:05

2 these particular claim terms, yes. 14:15:08

3 Q. And that applies to some of the other claim terms as 14:15:11

4 well that fell under the claim construction section of 14:15:17

5 your declaration? 14:15:20

6 A. [Inaudible]. 14:15:34

7 MR. BARAZESH: I'm sorry, I didn't hear an 14:15:34

8 answer to that question. 14:15:36

9 THE WITNESS: I said, "that's fair, yes, 14:15:37

10 sir." 14:15:38

11 MR. WERBER: I have nothing further. 14:15:43

12 And I concur, I didn't hear what was said a 14:15:48

13 few seconds ago, but then I heard it. 14:15:52

14 THE WITNESS: Okay. Hopefully my phone is 14:15:54

15 not cutting out. I did plug it in. 14:15:57

16 MR. BARAZESH: Okay. I have no further 14:15:58

17 questions. 14:16:00

18 (Proceedings concluded at 2:16 p.m.)

19

20

21

22

A			
abided	108:7, 108:10,	82:10, 115:19	35:8, 38:12,
17:5	109:12	addressed	38:15, 38:20,
able	absence	93:12	43:19, 51:20,
8:8, 8:10,	90:9	addresses	52:5, 52:20,
26:20, 50:5,	absolutely	93:13	53:18, 54:2,
52:13, 73:13,	16:20, 73:4	addressing	55:3, 65:21,
89:22, 93:13,	accepted	84:18	78:10, 79:8,
104:7, 121:11	85:9	administered	79:22, 86:7,
about	access	4:7	88:17, 90:22,
5:3, 10:6,	9:4	admissibility	91:5, 97:6,
21:21, 22:8,	accomplish	4:12	100:17, 101:7,
24:15, 24:21,	104:8, 104:12	adobe	101:14, 102:10,
26:9, 27:21,	accordance	9:17	103:9, 103:20,
38:9, 41:4,	59:19	adopted	106:13, 106:17,
48:5, 55:12,	according	83:2, 94:1	106:20, 107:8,
56:12, 56:19,	49:21, 102:8,	adverse	107:19, 111:1,
58:17, 66:2,	106:19, 106:21,	134:20	111:8, 111:16,
66:11, 66:17,	107:20, 112:19	advise	113:9, 113:11,
66:19, 66:20,	accurate	16:14	113:16, 114:19,
67:2, 67:14,	6:11, 37:6,	affect	118:6, 118:10,
67:16, 68:13,	56:6, 67:9,	67:3	119:6, 119:9,
70:4, 70:7,	80:14, 106:9	affirm	120:4, 120:8,
73:13, 74:17,	accurately	4:8, 5:2	121:21, 122:4,
76:11, 77:17,	45:8	affirmatively	123:18, 124:15,
81:4, 81:13,	acrobat	87:21, 88:5	125:6, 126:15,
84:10, 86:4,	14:5	after	127:8, 128:22,
88:19, 89:14,	activities	5:9, 14:17,	131:2, 131:4
91:11, 96:2,	26:15	68:3, 75:16,	agreement
96:16, 96:22,	actually	76:2, 77:7,	30:1
102:15, 102:18,	22:2, 22:4,	80:19	ahead
102:22, 103:7,	25:2, 28:21,	after-school	14:16, 19:1,
105:8, 105:9,	44:6, 48:13,	27:10	19:3, 26:1,
106:2, 106:5,	65:16, 71:5,	again	31:13, 32:3,
106:11, 107:1,	78:1, 98:21,	23:4, 24:1,	34:2, 63:21,
107:15, 108:3,	100:3, 111:22,	51:2, 54:5,	64:1, 84:6,
108:13, 111:21,	122:19, 126:22,	67:15, 86:14,	88:22, 89:1
112:1, 115:1,	132:14	88:7, 97:6,	airport
116:11, 117:6,	added	100:19, 111:17,	128:10
117:9, 117:11,	131:10	118:5	akin
119:3, 126:18,	addition	against	72:9
129:19, 132:21	16:3	65:10	alison
above	additional	ago	1:22, 134:7,
94:13, 102:9,	75:16, 75:18,	133:13	134:30
102:13, 104:19,	83:4	agree	all
106:19, 107:21,	additionally	6:19, 13:6,	5:13, 9:15,
108:3, 108:5,	105:19	14:12, 19:14,	10:11, 12:1,
	address	20:19, 21:3,	14:7, 15:19,
	7:12, 7:18,	30:11, 35:3,	24:6, 32:5,

<p>37:14, 38:4, 43:9, 43:20, 43:22, 47:1, 48:17, 49:22, 52:4, 54:21, 58:10, 60:2, 60:19, 61:7, 61:19, 63:15, 65:6, 68:8, 70:7, 71:15, 72:16, 82:8, 82:21, 86:1, 92:8, 92:12, 92:19, 93:2, 103:17, 107:16, 111:11, 111:21, 115:5, 118:19, 119:1, 125:21, 126:7, 126:14, 131:14, 131:17, 131:20 alleged 18:20, 20:1, 20:16, 80:18 allow 6:21, 88:13, 89:18 allowed 27:4, 27:6 allowing 113:2 almost 44:9 alone 76:8, 77:17, 84:1, 85:17, 85:18, 85:22, 95:3, 96:21 along 53:15 already 99:2 also 11:1, 24:15, 26:13, 27:9, 29:9, 38:17, 42:5, 57:17, 64:14, 84:9,</p>	<p>86:1, 91:20, 100:20, 105:19, 107:14, 108:6, 122:2, 122:7, 124:17, 128:1, 129:9 alternatives 54:21, 56:21 among 38:13 amount 15:7, 15:16 analysis 24:16, 31:1, 65:2, 80:22, 83:20, 84:18, 84:21, 85:9, 85:13, 85:15, 86:5, 101:21, 102:3, 102:5 analytical 24:16 analyzed 61:2, 101:22 angeles 7:21, 26:13 angelo 16:4 another 11:14, 13:5, 14:7, 29:18, 32:7, 39:8, 48:10, 81:8, 81:12, 85:17, 89:15, 105:12, 111:22, 122:2, 122:21, 128:2, 129:9 answer 6:14, 6:22, 10:8, 22:18, 56:17, 65:1, 70:18, 70:22, 71:18, 71:19, 71:21, 125:10, 129:6, 133:8 answering 13:10, 45:9</p>	<p>answers 6:10, 8:11, 8:14, 134:13 anticipatory 61:5, 85:18, 85:20 any 4:11, 4:15, 6:6, 7:4, 8:8, 8:10, 8:13, 8:16, 8:19, 9:4, 9:11, 9:19, 10:1, 10:4, 10:8, 11:11, 11:20, 11:21, 12:3, 12:21, 16:8, 16:14, 16:22, 17:9, 17:15, 18:6, 28:21, 36:4, 36:13, 43:17, 46:16, 47:5, 47:18, 55:21, 60:3, 62:3, 64:22, 71:5, 76:8, 76:12, 78:5, 80:4, 80:6, 84:17, 85:9, 90:7, 90:15, 90:18, 91:7, 98:11, 108:4, 112:7, 113:20, 116:4, 116:5, 117:3, 126:20, 127:21, 128:14, 129:14 anyone 36:15, 112:8, 122:21 anything 7:4, 9:20, 11:16, 13:1, 36:7, 37:19, 47:6, 47:7, 48:2, 52:18, 54:6, 88:13, 89:13, 89:18, 90:15, 90:16,</p>	<p>91:10, 91:11, 91:17, 92:15, 93:9, 93:10, 95:22, 96:16, 96:21, 97:12, 97:18, 131:9, 131:12 anywhere 86:21, 118:22 apart 119:20, 123:16 apologies 22:4, 54:9, 99:4 apologize 63:22, 78:20 app 14:7 apparatus 100:10 apparatuses 103:3, 105:10 appeal 1:3, 130:9 appear 90:13 appearance 4:15 appears 14:15, 87:21, 99:19, 109:9, 122:7 appended 55:2, 56:22, 64:16, 65:8 application 23:11, 23:12, 24:4, 24:8, 30:5, 30:6, 30:9, 30:18, 30:19, 101:7 applications 9:5, 9:6, 23:2, 23:5 applied 64:12, 64:20, 70:19, 71:3, 71:6, 73:7, 86:6</p>
--	--	---	--

<p>applies 133:3 apply 60:6, 61:21, 73:15 applying 70:5, 70:9, 70:17 approved 36:5 approximately 6:4, 15:10, 36:22 approximation 15:13, 15:14 architecture 22:12, 22:21, 25:6 architecture's 24:10 architectures 25:11 area 24:17, 75:1, 77:21, 78:13, 78:17, 79:5, 79:10, 80:1, 129:22 areas 17:15, 93:4, 114:21, 119:5, 119:10, 120:10 arguing 59:21 argument 89:16 around 108:20, 115:9, 115:10, 120:7, 120:19 arranged 98:8, 98:11 arrangement 4:11, 56:22 arrangements 54:22 arranges 100:10, 100:21,</p>	<p>102:1 art 11:3, 18:20, 20:1, 20:17, 20:22, 37:22, 41:21, 42:6, 42:16, 42:20, 43:12, 43:16, 45:18, 47:5, 49:18, 59:19, 59:21, 61:2, 61:17, 63:18, 64:13, 64:21, 65:1, 65:5, 65:7, 65:11, 66:22, 68:10, 68:20, 68:21, 70:6, 70:11, 70:17, 70:18, 71:3, 71:5, 71:9, 71:17, 71:22, 72:7, 72:19, 73:3, 73:5, 73:9, 73:11, 73:15, 75:11, 95:10, 96:15, 98:17, 102:8, 102:12, 102:16, 102:18, 102:19, 102:20, 103:6, 103:11, 103:18, 103:21, 104:6, 104:11, 104:15, 104:18, 105:3, 105:9, 105:10, 105:16, 105:19, 106:2, 106:9, 106:11, 106:15, 106:19, 106:22, 107:2, 107:8, 107:14, 107:15, 107:17, 107:21, 108:1, 108:3, 108:4, 108:7, 108:9, 108:14, 133:1 articulate 40:16, 50:5,</p>	<p>60:1, 73:14 articulating 17:7 artificial 25:2 aside 9:3 asked 24:15, 39:14, 62:18, 82:12, 128:11 asking 49:16, 64:21, 68:7, 69:8, 104:3, 106:21, 107:4, 116:11, 118:14, 122:19 aspect 27:11, 88:4, 89:11 aspects 30:16, 56:4 assess 59:8 assessment 60:8, 67:2 assistant 24:22 associated 27:17, 27:18 association 100:15, 101:4, 103:5 assume 29:4 assuming 128:16 atago 116:20, 121:21 athletic 122:3 attempt 61:19, 107:16 attorneys 4:4, 16:6 audio 7:4, 20:9, 22:13, 22:17,</p>	<p>43:10, 121:15, 121:16, 125:8, 125:14 august 1:18, 4:2, 134:24 avenue 2:6 aware 14:7, 17:17, 40:20</p> <hr/> <p style="text-align: center;">B</p> <hr/> <p>back 20:14, 29:1, 38:5, 41:11, 48:21, 65:14, 67:16, 68:8, 81:12, 81:18, 81:19, 82:6, 98:1, 108:16, 108:17, 112:5, 115:16 background 21:22 bad 45:1, 127:15 ballpark 15:15, 36:20, 37:1 based 42:5, 61:14, 71:16, 75:10, 76:18, 83:22, 84:8, 84:9, 84:12, 85:8, 85:16, 90:4, 90:6, 91:5, 95:2, 96:3, 96:6, 96:10, 96:11, 96:12, 128:13 basically 57:6 basis 43:4, 58:3, 75:8, 83:10, 90:2, 96:2, 97:7</p>
--	--	--	--

<p>because 50:7, 56:10, 56:15, 57:10, 57:18, 62:10, 64:15, 65:8, 69:10, 70:6, 70:22, 75:14, 77:10, 80:10, 83:5, 85:11, 85:15, 88:5, 90:19, 94:14, 96:7, 96:10, 104:17, 123:1</p> <p>bederson 40:8, 49:11, 50:10, 59:20, 62:8, 64:12, 65:2, 65:8, 65:11, 83:15, 84:9, 84:14, 84:17, 85:3, 87:15, 88:3, 89:12, 90:18, 91:11, 93:9, 93:20, 94:1, 95:12, 98:14, 117:10</p> <p>bederson's 39:15, 59:8, 65:5, 68:10, 84:21</p> <p>been 5:10, 6:1, 12:6, 28:12, 33:19, 34:14, 37:7, 48:4, 58:17, 81:4, 82:12, 85:12, 93:3, 100:9, 100:20, 108:20, 119:5, 119:18, 121:6, 121:15, 127:9</p> <p>before 1:3, 6:2, 6:22, 10:7, 10:8, 11:14, 11:16, 14:4, 32:21,</p>	<p>36:6, 49:6, 73:2, 73:4, 92:10, 134:11</p> <p>began 22:6</p> <p>begin 35:20</p> <p>behalf 2:3, 2:12, 4:20</p> <p>behavior 24:10, 24:11</p> <p>being 24:3, 43:9, 58:15, 71:17, 73:13, 78:11, 78:13, 85:4, 86:1, 98:14, 99:17, 111:17, 113:2, 113:14, 113:15, 113:17, 118:18, 118:21, 128:5</p> <p>belabor 63:12</p> <p>believe 12:1, 35:15, 37:17, 41:2, 45:3, 45:7, 47:7, 48:2, 58:14, 79:19, 83:14, 84:9, 85:5, 86:7, 94:4, 101:12, 107:14, 110:12, 111:6, 114:12, 115:1, 115:6, 118:9, 119:15, 119:16, 123:7, 123:12, 124:7, 125:3, 132:10</p> <p>belonging 117:16</p> <p>belongs 118:3</p> <p>below 53:8</p> <p>benefit 41:19, 42:19</p>	<p>best 59:20</p> <p>better 56:17</p> <p>between 72:5, 115:17</p> <p>beyond 50:3</p> <p>big 99:15</p> <p>bigger 99:13</p> <p>bit 22:14, 23:4, 64:9, 66:17, 73:12, 100:4, 108:20, 123:16, 125:15</p> <p>blame 89:13</p> <p>blue 57:16</p> <p>blurry 109:9</p> <p>board 1:3, 29:22, 130:9</p> <p>boiling 64:2</p> <p>both 7:15, 30:3, 35:13, 35:17, 35:20, 77:18, 84:12, 94:18, 104:9</p> <p>bottom 25:16, 110:2</p> <p>bound 40:12, 64:22</p> <p>boundaries 61:20, 62:1, 62:6, 62:10, 62:16, 62:21, 64:10, 64:18</p> <p>boundary 63:2</p> <p>bounding 56:14</p>	<p>bounds 39:16, 40:17, 50:9, 51:18, 59:4, 59:10, 59:14, 63:16, 68:9, 68:17, 70:2, 70:12, 72:6, 72:14, 73:7, 93:1, 132:11</p> <p>box 127:2, 127:5</p> <p>branch 24:13</p> <p>break 10:6, 10:7, 10:9, 48:6, 48:7, 48:11, 48:15, 81:5, 81:8, 81:12, 97:21, 112:1, 112:2, 112:9, 129:13</p> <p>breaking 22:14</p> <p>breaks 7:4</p> <p>bringing 92:4</p> <p>broader 105:4, 106:8, 106:11</p> <p>broke 12:12, 20:10, 20:12, 23:3</p> <p>budget 15:7</p> <p>bun 72:15</p> <p>button 68:1, 68:8, 68:16</p> <p>buy 26:15</p> <hr/> <p style="text-align: center;">C</p> <hr/> <p>cache 24:16</p>
--	--	--	--

<p>catching 24:18</p> <p>california 7:10, 7:11, 7:21, 24:22</p> <p>called 5:9, 53:20, 111:10</p> <p>calls 19:17</p> <p>came 16:1, 17:3, 18:14</p> <p>can't 104:2, 120:12, 120:16, 120:17, 121:10, 121:16, 121:17</p> <p>cannot 8:19, 76:1, 88:9</p> <p>captured 113:10, 113:20, 114:1, 114:2, 116:1, 116:3, 116:4, 118:8, 118:11, 118:12, 119:5, 126:11, 126:16, 127:10, 127:13, 127:17, 129:1, 129:2, 129:3, 129:21, 129:22</p> <p>captures 50:13</p> <p>car 57:14, 57:15, 57:16, 57:17</p> <p>career 22:6</p> <p>careful 41:4, 45:8</p> <p>carefully 64:19</p> <p>cartoon 54:3, 58:3, 58:4, 58:14, 58:16</p>	<p>case 1:13, 9:11, 11:17, 12:2, 35:11, 78:6, 80:4, 80:6, 80:16, 83:14, 86:6, 89:7, 112:16, 131:6</p> <p>cases 27:5, 27:7, 56:11, 56:13, 63:2</p> <p>causal 69:18, 69:20</p> <p>cause 18:8, 74:22, 78:12, 79:4, 79:10, 134:19</p> <p>caused 69:16</p> <p>causes 50:17, 69:5, 76:3</p> <p>causing 65:19, 67:12, 77:9, 77:20, 77:22</p> <p>cavalier 56:9</p> <p>caveat 120:12</p> <p>cell 9:20</p> <p>certain 15:22, 45:11, 55:12, 56:4, 57:3, 57:7</p> <p>certainly 13:2, 14:14, 19:20, 21:7, 21:17, 35:6, 36:2, 36:5, 47:1, 54:4, 61:16, 64:11, 71:21, 85:21, 85:22, 96:6, 105:18, 105:22, 107:10, 107:13</p>	<p>certificate 134:1</p> <p>certify 134:9, 134:20, 134:22</p> <p>change 64:8, 70:18, 71:16, 71:18, 71:22, 72:2, 72:20, 73:9</p> <p>changed 13:2</p> <p>changes 16:8, 58:20</p> <p>changing 72:13</p> <p>characters 58:3, 58:4</p> <p>chase 2:8</p> <p>chat 13:16, 14:1, 31:17, 32:8, 73:22, 99:1, 99:8</p> <p>check 13:11, 108:16, 130:21</p> <p>checking 63:5</p> <p>chevy 2:8</p> <p>chicago 2:16</p> <p>children's 26:17</p> <p>choice 58:2</p> <p>choose 116:9</p> <p>christopher 16:4</p> <p>circle 128:17</p> <p>circumstance 77:15, 77:19</p> <p>citation 35:3, 35:10,</p>	<p>35:13, 35:16, 35:19</p> <p>cite 17:12, 34:17, 36:3</p> <p>cites 17:11, 33:21</p> <p>cities 125:7, 125:18, 125:19</p> <p>city 117:1, 121:5, 121:9, 121:21, 122:13, 123:5, 124:17, 125:6, 125:19, 128:11</p> <p>claim 29:18, 34:10, 38:9, 38:12, 38:14, 38:17, 38:20, 39:9, 42:14, 44:14, 44:17, 45:1, 45:11, 45:12, 45:13, 46:5, 46:15, 47:19, 49:1, 49:9, 49:21, 50:1, 53:1, 54:11, 55:12, 56:14, 57:14, 59:4, 59:9, 59:14, 65:14, 65:17, 66:1, 66:2, 66:11, 66:18, 66:21, 67:3, 67:6, 67:7, 71:2, 71:5, 72:20, 72:21, 75:13, 75:22, 80:13, 87:5, 87:6, 87:7, 132:19, 132:22, 133:2, 133:3, 133:4</p> <p>claim's 111:12</p> <p>claimed 29:19, 75:4,</p>
--	---	---	---

<p>110:15, 111:18 claims 29:6, 30:17, 41:15, 41:19, 42:18, 43:8, 45:4, 45:17, 45:19, 46:1, 46:19, 55:2, 55:13, 55:17, 56:4, 56:22, 57:1, 57:6, 57:10, 57:18, 57:20, 57:22, 58:8, 58:15, 58:22, 59:18, 59:22, 62:4, 64:9, 64:11, 64:17, 64:20, 65:9, 70:19, 72:8, 73:2, 73:11, 75:12, 79:22, 94:4, 132:12 clarify 51:1, 71:14, 79:18, 82:7, 110:11 clarifying 132:2 class 103:6, 105:16 classes 25:20, 27:10, 27:18, 43:21 clean 125:17 clear 6:18, 29:21, 46:21, 57:11, 59:13, 62:17, 75:14, 78:7, 80:3, 84:16, 87:20, 95:1, 110:13, 118:14, 118:15, 120:21 clearer 52:19 clearly 89:7, 89:8,</p>	<p>123:18 close 113:14, 113:15, 116:22, 121:5 closed 126:8 cluster 75:1, 77:20, 78:12, 78:17, 79:4, 79:10, 80:1, 112:16, 113:12, 113:14, 113:16, 113:20, 114:3, 114:8, 114:9, 114:12, 114:13, 114:20, 115:9, 115:12, 115:14, 116:6, 116:8, 116:14, 116:15, 117:2, 117:15, 117:17, 117:20, 117:22, 118:3, 118:6, 118:16, 118:21, 119:2, 119:4, 119:13, 119:15, 119:17, 119:21, 120:1, 120:6, 120:9, 120:10, 120:13, 120:18, 120:22, 121:3, 121:4, 121:6, 121:8, 121:11, 121:12, 121:18, 121:20, 122:2, 122:7, 122:8, 122:12, 122:13, 122:14, 122:17, 122:20, 123:2, 123:4, 123:9, 123:10, 123:13, 123:15, 123:17, 123:22, 124:1, 124:4, 124:5, 124:8, 124:15, 124:17, 124:21, 124:22, 125:1, 125:4, 128:2,</p>	<p>129:10 clustered 115:9, 115:10 clusters 127:22, 129:7 coincide 129:9 collect 129:13 collectable 66:4 color 57:15 column 33:21, 34:17, 34:22, 35:3, 38:8, 54:15, 54:17, 86:7, 86:13, 110:18, 110:20, 126:16 combination 19:8, 20:2, 20:18, 77:16, 81:1, 95:4, 98:18 combined 74:21, 79:2 come 39:21, 41:21, 46:9, 49:7, 49:13, 50:4, 50:8, 50:12, 63:1, 63:3, 75:20 comes 83:12, 97:8, 131:12 comfortable 128:17 coming 47:1, 72:14, 97:16 commencing 134:25 comments 91:8 commission 134:32</p>	<p>compaq 22:7, 23:21, 24:1, 24:15, 24:16 compilation 25:7 complete 8:11, 8:14, 8:17 completely 13:11 comprises 87:9, 94:14 computer 8:22, 9:5, 25:20, 134:14 concept 90:17 concerns 10:15 concluded 133:18 conclusion 19:18, 21:6 conclusions 47:19 concur 133:12 condemnation 104:10, 104:11 conditions 8:16 confidences 16:15 confidential 16:22, 32:11, 32:13 confirm 9:7, 14:20, 97:7, 132:17 conflicting 20:9 confused 6:17 connected 68:16 connecting 8:22</p>
--	---	---	---

<p>connection 55:10</p> <p>connectivity 7:4, 68:14</p> <p>connotation 41:13</p> <p>consent 4:10</p> <p>consider 21:11, 21:12, 21:17, 21:19, 46:16, 60:12, 61:14, 62:10, 62:14, 62:16, 64:19, 65:5, 92:19</p> <p>considered 19:9, 19:15, 21:8, 21:15, 37:13, 37:15, 37:17, 37:19, 46:22, 61:16, 63:13, 63:15, 64:4, 65:6, 71:17, 130:19, 130:22, 131:6, 131:10</p> <p>considering 97:12</p> <p>considers 107:7</p> <p>consistent 34:9, 51:17, 51:19, 52:7, 53:3, 53:21</p> <p>construction 39:14, 44:14, 44:17, 45:2, 45:11, 45:12, 45:16, 46:5, 46:7, 46:9, 46:16, 47:19, 66:18, 82:11, 82:18, 82:20, 83:1, 83:2, 86:6, 94:1, 94:4, 132:22, 133:4</p>	<p>construed 45:4, 45:7</p> <p>consulting 11:11, 11:20, 15:4</p> <p>contains 35:8</p> <p>content 15:21, 16:1, 17:3, 17:8, 17:13, 26:8, 26:12, 26:22, 27:1, 27:8, 27:12, 36:3, 103:3, 103:5, 113:9, 114:1, 114:2, 114:3, 116:1, 116:2, 116:4, 116:12, 117:4, 118:7, 118:11, 118:12, 118:17, 118:18, 118:21, 118:22, 119:1, 119:5, 119:11, 119:12, 119:18, 119:22, 120:2, 120:5, 120:6</p> <p>contents 117:16, 118:1</p> <p>context 41:5, 42:18, 43:8, 68:21, 70:10, 80:13, 84:22, 90:15, 116:21, 119:19, 119:21</p> <p>continuous 37:8</p> <p>contradictory 21:10</p> <p>contrary 54:20, 90:7, 92:15</p> <p>contributed 36:3</p> <p>contributes 96:7</p>	<p>control 24:13</p> <p>conversations 112:7</p> <p>coordinate 114:6</p> <p>coordinate-transferred 112:17</p> <p>coordinates 112:18, 113:13</p> <p>copied 35:18</p> <p>copies 18:7</p> <p>copy 88:14</p> <p>corner 63:2, 109:4, 109:7, 110:3</p> <p>correct 5:20, 6:2, 6:11, 6:15, 8:1, 8:6, 9:1, 10:13, 10:16, 10:20, 11:4, 11:5, 13:8, 14:13, 15:2, 18:21, 19:9, 19:10, 19:12, 19:16, 21:16, 27:3, 27:19, 29:7, 29:13, 30:7, 30:8, 30:12, 31:5, 33:14, 33:22, 34:11, 34:15, 34:16, 34:18, 34:19, 36:22, 37:16, 37:18, 38:18, 42:2, 42:7, 44:15, 45:21, 47:16, 47:21, 49:1, 51:22, 52:8, 53:16, 54:18, 58:18, 60:12, 62:4, 62:14, 66:13,</p>	<p>67:9, 67:18, 67:20, 68:6, 74:18, 75:5, 76:4, 76:16, 77:12, 78:14, 82:15, 82:20, 90:5, 90:22, 92:18, 93:18, 94:22, 96:4, 97:10, 103:11, 105:4, 106:15, 110:2, 111:4, 112:21, 113:4, 113:18, 118:9, 122:9, 122:15, 124:13, 124:18, 125:7, 125:19, 125:20, 130:6, 130:10, 134:16</p> <p>correctly 15:6, 60:14, 104:22, 115:3</p> <p>corresponding 101:2, 117:17, 118:3</p> <p>could 12:13, 15:14, 23:22, 24:6, 24:9, 27:2, 36:20, 40:12, 41:2, 43:12, 50:3, 50:4, 51:20, 52:6, 52:10, 54:1, 54:4, 54:5, 54:6, 54:7, 57:3, 59:6, 59:11, 60:3, 60:5, 60:6, 60:11, 60:18, 60:19, 61:20, 61:21, 62:1, 62:2, 62:7, 62:13, 63:8, 63:9, 63:17, 63:19, 65:3, 68:9, 68:13, 70:3, 71:22,</p>
---	--	--	---

<p>72:12, 73:7, 73:15, 81:8, 85:2, 91:2, 91:4, 92:20, 128:4, 132:12 couldn't 57:17 counsel 3:15, 4:10, 4:14, 4:16, 6:13, 134:17, 134:21 county 134:5, 134:31 couple 31:13, 37:5, 65:16, 81:12, 87:2, 132:1 course 37:3, 45:10, 63:4 court 6:10, 8:5, 11:21, 39:20, 40:10, 49:8, 49:14, 50:6, 50:11, 82:19, 92:11 cover 40:17, 51:21, 54:21, 56:21 coverage 55:11 covered 55:14 covers 50:8 create 85:17 creates 94:5 criticism 105:17 cropped 83:18, 89:9, 90:12, 92:14, 93:7 cropping 95:20</p>	<p>cross-purposes 72:4 crr 1:22, 134:30 csr 1:22, 134:30 current 7:12, 74:12 currently 7:13, 7:15, 7:17, 128:15 cut 20:11, 125:14 cutting 133:15</p> <hr/> <p style="text-align: center;">D</p> <hr/> <p>date 29:5, 29:11, 29:15, 29:20, 30:2, 30:6, 134:12 dates 30:3, 31:5 days 37:5 dealing 24:2, 24:16, 42:12, 83:3 deals 103:17 decide 49:11 decides 29:22 decision 130:8, 130:13, 130:15, 130:18, 131:7, 131:11, 131:15 declaration 12:21, 13:16, 14:12, 15:1, 15:8, 15:11, 15:18, 15:20, 16:2, 16:7, 16:12, 17:2, 17:16, 17:17,</p>	<p>17:21, 18:3, 18:5, 18:7, 18:11, 18:18, 19:7, 21:21, 23:19, 24:21, 28:16, 29:16, 31:5, 34:2, 34:4, 35:4, 35:8, 35:13, 35:22, 36:12, 37:12, 37:16, 37:20, 44:7, 44:13, 46:5, 46:15, 47:9, 47:20, 50:15, 51:2, 53:8, 54:14, 67:4, 69:11, 73:19, 74:14, 75:9, 76:21, 79:1, 79:7, 81:22, 87:20, 88:6, 98:20, 117:14, 130:4, 130:19, 131:5, 132:15, 133:5 declarations 12:4, 12:8, 12:18 decouple 95:7 define 50:11, 55:17, 57:22, 61:20, 62:1, 64:9, 65:9, 92:7, 92:10, 95:15 defined 49:21, 55:2, 55:12, 56:22, 64:16, 64:17, 72:6 defines 41:7, 41:12, 62:18 defining 40:15, 41:3, 95:17</p>	<p>definitely 7:7, 17:6, 58:9 definition 13:5, 39:2, 39:3, 39:19, 39:22, 41:17, 41:22, 42:21, 49:7, 49:13, 49:16, 49:20, 50:13, 60:4, 63:1, 64:4, 72:17 definitively 121:11 delineate 73:14 delineating 73:6 delve 73:10 depend 116:17 depending 70:18, 71:22, 117:5 depends 21:6, 56:17, 56:18 deposed 6:1 deposition 1:16, 4:1, 4:5, 9:1, 9:4, 33:2, 36:9, 36:18, 40:14, 134:10, 134:21, 134:22 depositions 6:6, 6:9, 12:3, 12:9 describe 16:11, 55:21, 56:3, 57:7, 57:9, 108:12 described 49:9, 55:10, 56:6, 102:9, 102:13, 103:11, 103:22, 104:18,</p>
---	---	--	--

<p>106:19, 107:21, 108:3, 108:4, 108:7, 108:10 describes 88:18 describing 57:22, 59:9, 117:14 description 16:18, 87:12, 88:8, 89:2, 90:7, 91:14, 93:16, 94:8, 96:21, 97:9, 97:10, 98:14, 104:13, 106:8, 106:10, 106:14, 107:8, 107:13, 108:1, 121:7, 122:16, 123:1, 123:3, 123:8, 123:21, 124:20 design 58:2 designed 26:6, 28:2 designing 26:10 detail 64:11 determination 68:18 determined 30:2 determining 24:13, 72:8 device 9:19, 87:11 diagram 112:16 dial 48:6 dictionaries 47:6 diego 25:1 differ 61:8</p>	<p>difference 57:3, 72:5, 73:13 different 6:19, 13:2, 23:1, 23:8, 23:12, 26:15, 26:20, 27:12, 28:1, 29:19, 31:4, 41:1, 51:21, 52:4, 52:6, 52:10, 52:12, 55:13, 65:17, 80:19, 91:4, 92:16, 101:6, 102:15, 111:12, 119:16, 127:13 differently 59:17, 90:16, 93:10 diligence 59:3, 62:19 directed 58:16 directions 27:14 directly 68:3 disagree 58:9 disclose 65:12 discloses 33:13, 34:8 disclosure 86:21, 88:1, 91:5, 105:1 discover 93:2, 95:10 discuss 23:22, 71:2, 104:20, 132:22 discussed 42:4, 49:2, 57:18, 91:17, 94:13 discusses 88:20, 105:3,</p>	<p>113:2 discussing 23:20 discussion 17:4, 87:22, 103:10 display 75:1, 77:21, 78:13, 78:17, 79:4, 79:10, 80:1, 87:10, 101:1, 113:4 displayed 50:19, 52:6, 52:20, 65:19, 67:13, 68:4, 69:6, 69:17, 74:17, 75:2, 76:3, 77:8, 77:10, 77:22, 78:14, 79:6, 79:12, 80:5, 80:11, 103:4, 111:3, 113:3, 123:10, 123:22, 124:1, 124:5, 126:12, 126:17, 126:19, 126:20, 128:9 displaying 58:16, 111:2, 119:11, 119:12, 119:13, 120:1, 120:2 displays 100:12, 100:13, 100:14, 100:22, 101:2, 101:4 distinguish 103:7 distortion 20:9, 20:10, 22:13, 22:17, 43:10, 114:22, 121:15, 121:16, 125:8 distracted 9:12</p>	<p>distracting 109:11, 109:14 distributed 25:4 district 11:21, 82:19 document 14:10, 14:16, 14:22, 17:11, 21:12, 21:16, 21:17, 32:5, 32:7, 32:20, 74:9, 98:17, 99:17 documents 31:13, 35:17, 35:20, 98:18, 130:22 doing 5:14, 31:1, 46:7, 62:7, 102:3, 104:7 dollar 15:7 done 6:6, 48:3, 59:3, 65:1, 101:21 door 52:18 dotted 128:17 down 38:8, 64:2 download 27:2, 27:4, 31:18, 31:22 downloaded 27:6, 32:1 downloading 74:5, 99:13 downtown 126:11, 126:17, 127:3, 127:9, 127:14, 127:17, 127:20, 128:4, 128:8, 129:1, 129:3, 129:21,</p>
--	--	--	--

<p>130:1 dr 5:1, 22:14, 23:20, 39:15, 40:8, 49:11, 50:10, 51:13, 59:8, 59:20, 62:8, 64:12, 65:2, 65:8, 65:11, 68:10, 81:21, 83:15, 84:9, 84:14, 84:17, 84:21, 85:3, 87:15, 88:3, 89:12, 90:18, 91:11, 93:20, 94:1, 95:12, 98:14, 112:7, 117:10 drafted 41:15 drawing 94:10 drawn 54:3 due 59:3 duly 5:10 duplicate 82:13, 83:12, 83:18, 85:11, 85:12, 88:9, 88:14, 89:3, 90:4, 93:18, 94:9, 96:1 duplicates 83:6 duplicative 89:8, 89:19 during 16:18, 33:2, 40:14, 112:8</p> <hr/> <p style="text-align: center;">E</p> <hr/> <p>each 18:19, 19:7, 20:1, 20:16,</p>	<p>53:15, 86:10, 86:16, 100:15, 101:5, 118:8, 122:8 earlier 100:4 edit 36:2 edits 36:4 effective 29:5, 29:11 effort 39:13, 46:8, 116:8 eight 128:14 either 24:10, 48:12, 91:12, 122:18, 134:18 electronic 9:19 element 45:16, 67:3 elementary 26:13 elements 45:3, 46:12, 111:11, 117:8 ellyar 2:4, 4:17 else 35:22, 36:15, 37:19, 47:7, 48:2, 86:21, 89:16, 94:2, 95:22, 96:10, 96:11, 97:2, 97:12, 97:18, 121:12, 122:15, 131:12, 132:3 email 9:5 embodiment 33:13, 34:8, 51:17, 51:19, 53:3, 53:9,</p>	<p>53:13, 53:21, 55:11, 55:14, 55:18, 56:12, 57:16, 57:20, 58:1, 58:8, 89:6, 89:17, 90:8, 90:14, 90:21, 91:1, 93:6, 93:21, 94:5, 95:19, 96:8, 96:19, 112:19, 115:7, 116:17, 117:5, 117:9, 117:11, 117:12, 117:15 embodiments 21:10, 55:22, 56:3, 56:5, 57:4, 57:7, 59:6, 119:16 embraced 36:6, 83:1 embracing 31:9 endeavor 39:13, 49:6, 62:1, 62:6, 92:7, 93:1 endeavored 40:1, 40:16, 41:21, 70:12, 93:14 ended 51:10 ending 134:25 enough 31:12, 37:11, 128:12 ensure 63:5 entails 39:18 entered 99:3 entire 50:9, 52:17, 60:12</p>	<p>entirely 76:15, 77:2, 77:6 entirety 19:8, 19:15, 20:3, 20:18, 21:4, 21:12, 21:13, 21:15, 21:17, 50:1 entity 29:22 enumerate 61:19, 107:16 equivalent 54:22, 56:22 esquire 2:4, 2:13 est 1:18, 134:25 establish 92:22 evaluate 22:16 evaluated 19:8, 19:14, 20:2, 20:18, 21:4 evaluating 23:1, 23:6 evaluation 19:19 even 42:21, 85:10, 118:15, 118:18, 119:19, 120:14 event 27:14, 134:18 every 10:6, 14:14, 24:5 everybody 132:3 everything 19:9, 19:15, 37:17, 38:2, 50:13, 72:14 evidence 43:17, 46:16,</p>
--	---	---	--

<p>47:18, 47:20, 89:6, 90:19 evidently 128:5 exact 15:16, 36:1, 79:2 exactly 18:12, 57:6, 114:11, 128:13 examination 3:6, 3:8, 5:18, 132:8 examined 5:12, 64:11 examining 62:20 example 17:5, 21:9, 24:19, 51:15, 53:18, 53:22, 55:21, 57:13, 57:14, 58:13, 58:17, 60:2, 64:10, 67:1, 67:15, 68:1, 68:2, 68:8, 68:11, 69:3, 69:10, 69:13, 69:15, 69:21, 70:8, 70:13, 71:1, 72:11, 73:17, 76:18, 83:16, 85:4, 92:13, 93:21, 95:12, 95:13, 95:17, 96:1, 97:8, 100:9, 105:12, 105:13, 107:2, 116:20, 120:20, 126:16 examples 61:1, 91:2, 91:4, 102:17, 104:21, 105:15, 105:18, 106:1, 106:6 excludes 90:3</p>	<p>executing 24:7 exemplary 33:13, 34:8, 50:18, 53:3, 53:9, 53:13, 53:20, 69:5, 89:6, 89:17, 90:8, 90:14, 90:21, 90:22, 91:1, 95:19, 96:7, 96:19, 102:19 exercise 63:1, 70:6, 73:6 exhibit 3:13, 3:17, 3:18, 3:19, 3:20, 3:21, 13:16, 13:19, 14:13, 15:1, 19:11, 31:15, 31:20, 32:8, 32:16, 32:22, 33:3, 33:21, 34:3, 34:17, 34:20, 38:6, 54:15, 73:21, 74:3, 74:9, 98:22, 99:8, 99:11, 99:18, 101:15, 108:17, 112:11 exhibits 3:15, 9:16 expect 8:3 experience 7:3, 24:21, 43:17, 43:20 experiences 23:20 expert 11:11, 11:20 expires 134:32 explain 23:9</p>	<p>explained 52:10 explanation 76:19, 84:14 explicitly 50:2, 115:5 exploration 60:21 express 67:11 expressed 34:9 expressly 39:4 extent 16:22, 17:15, 18:6, 18:10, 64:13, 85:3, 95:17, 120:14 extremes 105:21</p> <hr/> <p style="text-align: center;">F</p> <hr/> <p>face 53:15 faces 54:3, 58:15, 58:16 fact 58:2, 83:1, 88:3 fail 76:9 failure 81:1 fair 6:8, 12:7, 12:17, 16:6, 21:1, 31:12, 35:11, 37:11, 38:16, 43:20, 44:2, 44:5, 44:17, 46:10, 46:12, 47:2, 48:1, 48:3, 53:5, 53:22, 58:19, 58:21, 60:10, 62:8,</p>	<p>81:2, 83:21, 91:1, 97:11, 103:19, 106:12, 106:16, 108:4, 108:12, 111:19, 113:19, 114:11, 115:11, 118:4, 120:12, 124:19, 127:11, 130:14, 131:8, 133:9 fairly 58:21 fall 132:12 far 36:4, 50:3, 68:7, 89:16 fast 24:18 features 58:2 february 29:12, 29:15, 30:5 feel 13:2, 128:17 feeling 48:8, 81:5 fell 133:4 felt 16:9 fetch 25:9, 25:13 fetching 25:13, 25:14 few 36:19, 53:8, 71:14, 133:13 field 25:3, 25:4 figures 115:17, 118:5, 118:7, 118:10, 120:4, 120:8, 120:17 figuring 24:17</p>
---	---	---	---

<p>file 71:8</p> <p>filed 17:19, 17:22, 29:19, 32:10, 32:12</p> <p>filing 29:5, 29:11, 31:4</p> <p>film 100:12</p> <p>final 129:19</p> <p>find 35:1</p> <p>fine 9:17, 73:17, 112:3</p> <p>finish 6:21, 63:22</p> <p>finished 64:1</p> <p>firm 11:17</p> <p>first 5:10, 11:19, 18:15, 20:12, 26:4, 31:15, 33:20, 34:15, 38:14, 65:19, 66:3, 66:19, 67:5, 67:11, 67:12, 67:17, 68:12, 69:4, 71:14, 74:18, 74:22, 75:14, 75:17, 75:22, 76:1, 76:2, 76:22, 77:5, 77:9, 77:20, 77:22, 78:11, 79:3, 79:9, 80:12, 86:1, 100:2, 100:20, 106:18, 107:20, 108:2, 108:6, 115:15, 115:19, 117:11</p>	<p>fit 21:18, 72:8</p> <p>fits 21:13, 72:20, 111:11</p> <p>five 81:13</p> <p>five-minute 48:7, 48:11, 48:15, 129:12</p> <p>fix 7:5</p> <p>flora 70:9, 73:21, 74:11, 74:21, 75:14, 76:8, 77:1, 77:12, 77:16, 79:2, 80:11, 83:4, 83:13, 83:22, 84:8, 84:13, 85:4, 85:18, 85:19, 86:7, 86:20, 87:12, 87:17, 88:1, 88:8, 88:12, 88:17, 88:20, 90:3, 90:7, 90:11, 91:4, 91:17, 91:18, 92:9, 92:19, 93:5, 95:2, 95:3, 95:15, 96:4, 97:9, 97:10, 97:14, 97:18, 98:3, 98:15, 101:14, 101:18, 101:22, 102:1</p> <p>flora's 75:1, 75:3, 77:6, 77:21, 79:5, 80:17, 83:10, 84:10, 88:1, 88:8, 89:2, 90:4, 93:15, 94:7, 96:2, 98:7</p>	<p>flow 24:13</p> <p>flying 120:7</p> <p>focused 13:7</p> <p>follows 5:12, 89:15</p> <p>foregoing 134:12</p> <p>form 20:20, 27:20, 31:6, 37:21, 39:1, 39:11, 39:13, 40:7, 41:8, 42:8, 43:4, 45:6, 46:6, 46:20, 47:22, 49:5, 52:1, 52:22, 55:7, 56:7, 59:2, 59:16, 60:15, 62:5, 62:6, 62:15, 64:7, 69:14, 70:12, 70:20, 71:12, 73:1, 76:5, 77:13, 77:14, 78:15, 80:15, 84:2, 87:14, 88:10, 89:5, 91:6, 91:19, 92:6, 93:14, 93:15, 93:19, 94:16, 95:6, 96:5, 97:15, 98:12, 105:6, 107:9, 119:19</p> <p>formal 17:4, 45:16, 46:7</p> <p>format 17:13, 84:11, 85:6, 85:7, 86:11, 86:18, 88:13, 88:18, 94:12, 96:3</p>	<p>formatting 17:10</p> <p>formed 30:22, 41:14, 76:13</p> <p>forming 37:15, 37:20, 46:17, 92:5, 97:13</p> <p>forms 44:13</p> <p>forth 115:17, 134:12</p> <p>found 103:18</p> <p>foundation 20:20, 30:20, 39:12, 40:7, 41:8, 42:8, 45:6, 46:6, 47:22, 49:5, 52:2, 52:22, 55:8, 56:7, 59:2, 59:16, 60:15, 62:5, 62:15, 64:7, 69:14, 70:20, 71:13, 76:5, 77:14, 78:15, 80:15, 84:3, 87:14, 89:5, 91:6, 92:6, 96:5, 98:12</p> <p>four 120:22</p> <p>frameworks 22:16</p> <p>front 132:6</p> <p>front-end 25:9</p> <p>fujiwara 101:13, 102:17, 104:4, 105:14</p> <p>full 5:21, 8:14, 8:17, 8:20, 40:17, 41:4,</p>
---	--	---	---

<p>42:18, 42:20, 63:16, 131:16, 132:11, 134:15 fully 27:22, 131:5 functional 27:22, 28:2 further 129:14, 131:21, 133:11, 133:16, 134:20, 134:22</p> <hr/> <p style="text-align: center;">G</p> <hr/> <p>g-l-e-n-n 5:22 gauge 52:13 gave 82:21 general 16:18, 40:22, 42:5, 42:13, 56:10, 68:15, 70:4, 71:9, 76:6, 76:10, 82:21, 95:5, 103:6, 107:15, 108:14, 110:14 generalize 78:5 generally 6:8, 27:16, 40:21, 55:16, 102:16, 102:22, 103:2, 104:5, 105:9, 105:11, 106:2 generated 103:3, 117:17, 118:2 geographic 52:5, 52:10, 75:2, 77:21, 79:5, 83:16 geographical 116:10, 116:19 geography 128:12</p>	<p>getting 68:8, 70:2, 72:4 gilley 44:16, 44:21 give 5:3, 8:4, 8:5, 26:4, 39:19, 40:13, 49:7, 70:8, 72:10, 95:22, 97:19, 116:21, 119:17, 126:1, 129:6 given 62:17, 92:8, 105:15, 107:2 gives 97:4, 119:19, 119:21 giving 6:22, 8:14, 8:17, 102:19 gleaned 43:16 glenn 1:16, 3:4, 4:1, 4:6, 5:8, 5:22, 13:17, 134:10, 134:23 go 14:16, 19:1, 19:2, 20:8, 22:4, 23:14, 26:1, 28:15, 31:13, 32:3, 32:22, 33:5, 34:2, 34:3, 38:5, 38:8, 44:7, 53:7, 54:15, 57:20, 58:8, 60:22, 61:6, 63:21, 64:1, 65:10, 65:14, 65:15, 73:5, 73:18, 74:14, 81:12, 84:6, 88:22, 89:1, 98:21,</p>	<p>99:21, 100:3, 100:6, 102:6, 108:16, 108:17, 108:22, 109:10, 110:18, 110:19, 112:11, 114:16, 116:8, 124:10, 125:9, 125:21, 126:9, 129:15, 130:3 goal 104:12 goes 24:5, 121:12 going 9:15, 10:18, 13:10, 13:15, 14:22, 31:12, 31:16, 32:7, 33:2, 48:5, 48:6, 48:9, 62:19, 67:4, 67:15, 73:20, 73:22, 81:4, 81:6, 86:13, 89:1, 99:7, 105:21, 107:12, 109:16, 123:15, 126:1, 129:13 gone 68:17, 91:7, 95:9 gonna 97:20 good 5:13, 5:15, 5:17, 7:6, 9:13, 9:14, 10:9, 13:14, 14:9, 33:3, 39:17, 82:8, 128:12, 129:15 goods 26:16, 27:11 graphical 87:8 grayed 127:3</p>	<p>great 6:1, 6:21, 9:10, 22:20, 33:11, 42:21, 48:17, 82:7, 82:9, 99:20 ground 11:1 group 105:15 guess 11:14, 21:6, 28:13, 36:19, 37:22, 49:20, 52:11, 58:19, 63:16, 69:1, 70:22, 75:7, 76:16, 77:18, 78:20, 84:16, 84:20, 85:21, 107:5 guys 81:15, 94:18, 112:1</p> <hr/> <p style="text-align: center;">H</p> <hr/> <p>half 37:7, 48:10 hand 5:1 handwritten 10:4 happen 129:9 happened 16:18, 26:21 happens 128:1, 128:15 happy 42:9, 48:12, 49:10, 89:14, 94:3, 102:4 hard 114:11, 114:22, 116:20, 129:7 hardware 23:8 hayes 16:5</p>
--	--	--	---

<p>head 42:11, 87:1, 87:17 heading 44:14 hear 104:2, 133:7, 133:12 heard 51:9, 133:13 hearing 4:22, 75:21 help 15:21, 17:6, 43:1, 57:9, 85:2, 117:13 helped 17:9 here 4:20, 11:2, 16:4, 23:15, 24:1, 38:1, 38:2, 40:14, 45:13, 45:14, 47:1, 57:22, 58:5, 59:11, 67:20, 70:8, 71:1, 72:4, 74:17, 78:6, 80:9, 81:1, 91:10, 105:21, 106:3, 108:20, 111:17, 116:13, 120:7, 124:9, 128:5, 130:13, 131:12 here's 72:11, 90:14, 105:12 hereby 134:9 herein 5:9, 29:10 hereinbefore 134:12 hey 68:12 historical 109:5</p>	<p>history 71:8 hit 65:16 honestly 15:12 hopefully 133:14 host 26:12 hotdog 72:15 hotel 7:18 hour 10:6, 15:6, 48:5, 48:10, 81:4, 111:22 hourly 15:4 hours 15:10, 15:13, 36:19, 36:22, 37:10 however 108:7, 132:14</p> <hr/> <p style="text-align: center;">I</p> <hr/> <p>icon 85:10, 86:9, 86:16, 94:12, 94:13 icons 75:3, 75:15, 77:7, 78:2, 80:11, 80:17, 83:15, 83:17, 84:11, 100:11, 100:12, 100:13, 100:15 idea 55:16 identified 88:19, 88:20, 103:4, 111:13, 118:8, 122:9, 127:2 identifies 111:14</p>	<p>identify 76:22, 77:5, 78:13, 79:9, 79:11 illinois 2:16, 109:5 illustrate 83:15 illustration 83:19 illustrative 51:16, 95:12 image 66:4, 66:7, 82:11, 82:13, 83:6, 83:7, 83:11, 83:12, 83:19, 83:22, 87:10, 87:13, 87:22, 89:4, 89:19, 90:4, 90:12, 92:14, 93:8, 93:17, 93:18, 94:9, 94:15, 101:1, 111:3, 117:3, 129:2 images 75:3, 80:5, 80:17, 80:18, 83:5, 85:6, 98:8, 98:11, 100:11, 100:14, 100:22, 101:1, 101:3, 101:4, 101:18, 102:2, 126:10, 127:17, 129:1 implemented 26:6 implementing 26:11 import 56:14 important 64:15 improperly 40:12</p>	<p>improve 25:10 in-depth 60:4 inaccuracy 35:9 inaccurate 35:10 include 40:2, 72:15, 78:1, 94:8, 101:18 included 27:1, 39:4, 47:14, 47:20, 48:3, 55:1, 75:15, 80:19 includes 50:2, 53:14, 121:20, 122:3 including 25:9, 26:7, 49:22, 113:3 incoming 72:19 incorporated 35:16 incorrect 35:5, 35:13 incorrectly 35:19 independent 71:5 independently 120:16 indicate 45:11, 89:18, 91:10, 93:9 indicating 100:13 indicative 66:3, 66:5 indicators 87:8 individual 13:1, 39:14, 41:15, 64:20 influenced 91:17</p>
---	--	--	---

<p>inform 42:22, 44:1, 91:22 information 17:1, 27:17, 32:11, 32:14, 52:20, 100:10, 100:21, 103:2, 103:4, 105:10 informed 41:14, 42:5 informs 96:22 infrastructure 23:7 initial 20:10, 68:5 initially 16:7 inn 7:17 input 33:20, 34:15, 50:17, 65:19, 66:2, 66:5, 66:12, 66:16, 66:19, 67:5, 67:11, 67:12, 67:17, 67:22, 68:3, 68:5, 68:13, 68:16, 69:4, 69:5, 69:9, 69:15, 71:11, 74:18, 74:22, 75:16, 75:17, 75:22, 76:1, 76:2, 76:3, 76:12, 76:15, 76:22, 77:2, 77:6, 77:7, 77:9, 77:20, 77:22, 78:1, 78:5, 78:11, 79:4, 79:10, 80:10, 80:12, 80:20, 90:10 inputs 75:18, 77:6,</p>	<p>77:11 inside 124:8 insight 97:4 instance 80:21, 116:18 institution 130:8, 130:13, 130:15, 130:18, 131:15 instructed 6:15 instruction 22:22, 24:2, 24:3, 24:5, 40:2, 88:2 instructions 23:6, 23:10 intel 22:7, 22:11, 23:21, 24:1, 24:2 intelligence 25:2 intended 54:21, 56:9, 56:21, 58:5 intending 44:4 intent 119:15, 119:17, 120:15, 121:6, 121:8, 123:7, 123:12, 123:13, 129:5 intention 114:12, 124:7, 124:8 interactive 75:2, 75:4, 75:15, 78:2, 79:6, 83:17, 110:16, 111:2, 111:9, 111:10, 111:12, 111:13, 111:15, 111:19 interested 71:10, 75:7,</p>	<p>134:18 interesting 60:20 interface 65:20 interfaces 38:21, 51:21 intermediate 76:2 internships 22:7, 22:8 interpretation 45:14, 71:17, 93:17 interpreted 41:2, 43:11, 53:1 interpreting 69:12, 95:8, 104:17 introduce 13:15, 31:12, 32:7, 73:20 introduced 13:18, 31:19, 32:15, 74:2, 99:10 invention 11:4, 13:7, 29:5, 54:21, 55:1, 55:10, 55:17, 56:12, 57:17, 58:1, 65:9, 91:9, 110:15, 112:20 ipr 1:13, 10:12, 10:15, 11:6, 11:13, 11:14, 12:1, 12:4, 12:9, 12:16 issue 84:18, 85:17, 86:5 issued 130:8 issues 7:4</p>	<p>item 109:21, 110:1, 110:5, 110:9, 111:8, 111:15 items 43:18, 87:9 itself 46:17, 47:3, 62:13, 75:13, 91:18, 93:22, 98:15, 103:8</p> <hr/> <p style="text-align: center;">J</p> <hr/> <p>japan 113:10, 113:18, 113:21, 114:1, 114:2, 114:9, 114:10, 114:21, 115:14, 116:3, 116:5, 118:13, 119:1, 120:11, 123:11, 123:14, 124:6, 124:9, 124:16, 124:18, 125:2, 125:5, 125:7, 125:19, 128:11 japanese 100:16, 101:6, 106:7 jennifer 16:5 job 1:20, 50:10, 59:7, 68:10, 72:18, 93:10 judge 8:5 judges 45:10 jump 16:13 june 13:8, 28:13, 29:6, 29:11</p> <hr/> <p style="text-align: center;">K</p> <hr/> <p>keep 9:10, 48:6,</p>
--	---	--	---

<p>48:9, 54:13, 81:6, 107:12 kept 35:20 key 70:8 kids 28:5 kind 8:13, 23:3, 27:10, 55:17, 64:2, 96:20, 97:20, 105:20, 125:14, 128:6 know 6:8, 6:9, 6:18, 7:5, 7:17, 10:7, 11:8, 13:9, 13:10, 13:22, 16:15, 16:17, 16:18, 17:3, 17:6, 17:10, 18:3, 18:15, 18:18, 19:4, 21:10, 27:21, 28:18, 29:1, 29:2, 29:21, 31:7, 31:10, 31:18, 34:5, 37:12, 38:9, 39:2, 40:9, 40:13, 44:4, 44:10, 45:14, 46:21, 49:6, 49:19, 49:22, 50:6, 50:8, 50:15, 53:10, 54:4, 54:16, 56:10, 56:11, 57:10, 60:4, 60:18, 60:20, 61:5, 63:4, 68:7, 68:11, 70:8, 74:1, 81:22, 85:10, 90:18, 93:1, 93:3, 93:8, 93:11, 95:9,</p>	<p>98:4, 99:8, 99:22, 104:12, 105:20, 106:10, 109:1, 112:1, 112:12, 114:16, 115:5, 117:10, 124:11, 126:2, 127:19, 127:21, 127:22, 128:12, 128:14, 129:10, 131:11 knowing 71:10, 129:6 knowledge 37:22, 42:6, 71:9, 95:5, 95:9, 113:22 knows 116:22 kyoto 113:3, 113:11, 113:15, 113:17, 114:14, 114:20, 115:10, 115:13, 116:2, 116:22, 117:1, 118:11, 118:21, 118:22, 120:10, 120:19, 121:1, 121:5, 121:8, 121:21, 122:13, 122:18, 123:5, 124:17, 124:22, 125:6, 125:18, 125:19</p> <hr/> <p style="text-align: center;">L</p> <hr/> <p>labeled 66:18, 107:13 lack 90:6 lacking 103:18, 106:3 landmark 116:20 language 56:13, 56:15, 67:3, 67:6, 67:7, 67:11</p>	<p>large 105:15, 105:16 last 11:9, 16:4, 36:2, 37:3, 37:9, 50:17, 58:7, 81:5, 88:11, 88:15, 103:1 late 11:9 later 26:13, 66:1, 66:11, 89:21, 103:9 latter 37:7 law 40:10, 49:8, 49:14, 50:6, 50:11, 92:11 lawyer 19:20 lawyers 17:9 lead 90:16 least 35:10, 75:11, 84:15, 87:7, 89:16, 89:20, 90:20, 93:5, 94:3, 108:2, 111:13, 115:8, 116:18, 120:22, 128:4 leave 40:11 left-hand 110:3 legal 15:22, 17:5, 17:7, 19:17 lens 42:15, 42:19 let's 7:15, 18:17, 21:20, 22:4,</p>	<p>23:11, 23:14, 28:15, 32:22, 33:5, 33:6, 34:2, 34:3, 34:20, 37:11, 38:5, 38:8, 39:8, 44:6, 48:14, 50:14, 53:7, 54:13, 54:15, 65:14, 65:15, 67:4, 73:18, 74:14, 81:11, 81:21, 97:18, 98:3, 98:21, 99:6, 99:21, 100:3, 100:6, 102:6, 108:16, 108:17, 108:22, 109:10, 110:19, 112:11, 113:6, 114:16, 117:10, 125:9, 125:21, 126:22, 130:3, 132:14 letting 29:2 levied 105:17 lexicographer 44:3 lieu 4:6 liked 131:9 limit 50:7, 52:21, 53:2, 66:20, 87:12, 88:8 limitation 49:12, 75:22, 77:9 limitations 59:14, 62:14 limited 69:21, 105:2, 106:1, 107:4 limiting 91:9, 104:4</p>
--	--	--	--

<p>limits 52:17, 53:4, 56:12, 107:1</p> <p>line 16:3, 25:15, 25:16, 38:8, 66:4, 66:12</p> <p>lines 33:22, 34:17, 54:16, 54:17, 65:16, 65:18, 66:1, 86:8, 86:15, 110:19, 111:1</p> <p>lisle 109:5</p> <p>list 38:1, 101:1, 130:18, 130:22, 131:2, 131:5, 131:10</p> <p>listed 31:5, 131:1</p> <p>lists 37:14</p> <p>litigation 11:22, 45:10, 46:8</p> <p>little 22:14, 23:4, 28:6, 59:17, 64:9, 66:17, 73:12, 76:6, 99:13, 100:4, 108:20, 109:9, 114:22, 115:16, 123:16, 123:18, 125:15</p> <p>llc 1:6, 1:9, 10:12, 10:13</p> <p>llp 2:14</p> <p>located 7:8, 124:16, 124:17, 125:1</p> <p>location 38:14, 38:15,</p>	<p>50:18, 66:3, 66:6, 69:5, 69:17, 86:10, 86:17, 109:5, 111:3, 116:3, 116:5, 117:16, 118:1, 118:17, 119:21, 121:5, 126:11, 126:17, 128:8, 128:10, 129:2</p> <p>locations 33:18, 33:19, 34:13, 34:15, 67:17, 68:1, 69:4, 69:9, 69:16, 100:14, 101:3, 118:8, 127:9, 127:12, 127:13, 127:16, 127:19, 128:1, 129:20, 129:22</p> <p>logical 48:12, 48:14, 81:9</p> <p>logically 21:18</p> <p>long 22:22, 36:18</p> <p>look 12:22, 21:18, 21:20, 36:13, 37:11, 39:15, 42:9, 42:17, 49:10, 50:14, 50:22, 51:21, 54:13, 54:14, 55:9, 57:2, 59:7, 59:10, 59:13, 65:15, 72:18, 73:17, 94:3, 98:3, 98:19, 103:14, 112:12, 112:14, 113:6, 115:15, 117:13, 120:21, 122:22, 124:3, 124:16</p>	<p>looked 14:14, 18:3, 36:12, 46:22, 59:18, 68:19, 91:22, 95:10, 111:5</p> <p>looking 22:12, 22:21, 22:22, 24:12, 64:20, 71:9, 73:5, 73:8, 73:15, 83:8, 83:14, 95:11, 118:5, 119:20, 121:17, 130:17</p> <p>looks 25:18, 44:12, 52:14, 67:5, 82:12, 107:6, 122:4, 131:7</p> <p>los 7:21, 26:13</p> <p>lost 88:14</p> <p>lot 26:19, 60:21, 84:13, 116:8, 117:10, 120:6</p> <p>lunch 112:2</p> <hr/> <p style="text-align: center;">M</p> <hr/> <p>made 4:21, 16:8, 36:2, 36:6</p> <p>madison 2:15</p> <p>maintained 26:6</p> <p>maintaining 26:10</p> <p>make 6:11, 20:11, 29:1, 29:20, 30:1, 40:16, 70:4, 80:3, 88:12, 110:13, 115:2, 126:13,</p>	<p>129:3, 129:4</p> <p>makes 75:14, 87:17, 96:18, 120:2</p> <p>making 10:19, 40:11, 79:18</p> <p>manner 4:12, 4:16</p> <p>many 6:4, 15:10</p> <p>mapping 79:19, 85:18</p> <p>maps 27:13, 112:17, 113:12, 113:14, 113:15, 113:16, 113:20, 114:3, 114:8, 114:9, 114:12, 114:13, 114:20, 115:9, 115:12, 115:14, 116:14, 117:2, 118:7, 118:19, 118:21, 119:2, 119:4, 119:13, 120:6, 120:9, 120:11, 120:18, 120:22, 121:7, 121:8, 121:11, 121:18, 122:7, 122:8, 122:12, 122:13, 122:14, 122:17, 122:20, 123:2, 123:4, 123:9, 123:11, 123:13, 123:15, 123:17, 123:22, 124:1, 124:4, 124:5, 124:8, 124:16, 124:17, 124:22, 125:1, 125:4, 127:18, 129:10</p> <p>marked 3:17, 3:18, 3:19, 3:20, 3:21, 13:19,</p>
---	--	---	--

<p>31:20, 32:16, 74:3, 99:11 markers 101:2, 101:4 maryland 2:8 match 57:6 materials 36:13, 37:13, 37:14, 46:22, 130:19, 131:3, 131:5, 131:10 matt 4:19, 107:11 matter 4:8, 5:3 matters 12:4, 12:10, 12:16 matthew 2:13, 16:3 maybe 6:5, 11:9, 27:13, 28:13, 30:1, 36:19, 36:20, 37:9, 39:8, 45:12, 45:13, 48:10, 48:14, 56:8, 72:3, 72:4, 85:2, 89:21, 93:12, 123:18 mean 20:21, 27:21, 27:22, 28:3, 28:4, 39:10, 40:12, 41:12, 43:13, 45:12, 45:17, 45:19, 46:2, 48:5, 52:11, 52:18, 53:20, 54:3, 55:6, 57:16, 58:3, 60:11, 60:13, 68:9, 70:3, 73:2, 75:13, 82:12,</p>	<p>84:21, 86:3, 90:12, 91:20, 92:12, 93:17, 95:7, 122:20 meaning 41:18, 42:5, 45:14, 46:1, 46:11, 46:18, 54:6, 58:11, 61:15, 61:16, 63:17, 64:5, 72:21, 80:9, 95:11 means 19:7, 40:5, 40:18, 40:20, 67:22, 71:5, 75:22, 82:19, 84:14, 84:22, 87:22, 89:8, 95:15, 96:17, 97:1, 97:13 meant 84:15, 92:22 measure 24:12 mechanism 95:21 media 87:8, 87:9, 116:12 medical 8:16 medication 8:13 meet 36:15, 41:9, 62:14, 64:4, 67:21, 77:8, 78:4, 80:13, 93:16 meeting 75:11 meets 49:12, 88:2 memories 24:18 memory 1:9, 4:20,</p>	<p>10:13, 11:7, 11:12, 11:17, 11:21, 12:5, 12:9, 12:17, 15:4, 17:19, 17:22, 32:11, 78:18, 102:5, 103:14, 112:8 menlo 7:9, 7:17 mention 29:15, 76:15, 86:20, 87:5, 96:8, 96:18 mentioned 14:4, 21:15, 25:19, 40:4, 43:5, 63:13, 82:14, 89:11, 92:2, 92:18, 93:11, 106:7 mentioning 23:21, 57:10 mentions 88:20 mercantile 27:10 merge 21:11 messaging 9:6 met 63:18 metes 39:16, 40:17, 50:9, 59:4, 59:13, 63:15, 68:17, 70:12, 72:5, 73:6, 92:22, 132:10 method 87:7 methodology 72:1 michigan 134:3, 134:9, 134:31 microprocessor 22:11, 24:6,</p>	<p>24:10, 25:6, 25:10 microprocessors 24:19 middle 12:12 midyear 28:12 might 31:17, 63:3, 92:9, 93:2, 116:17 mind 97:16, 131:12 minor 132:2 minute 16:13, 23:15, 112:14 minutes 81:8, 81:12, 81:13, 87:2 missed 131:7 misspoke 85:22, 110:7, 115:18 mistake 121:15 model 23:7, 24:9 modifications 54:22, 56:5, 56:21, 58:20, 59:7, 59:11 moment 13:14, 49:3 monday 37:4 more 11:1, 15:17, 28:4, 28:5, 28:7, 36:21, 45:17, 50:12, 55:16, 56:9, 56:14, 58:7, 61:1, 61:8, 68:15, 76:6,</p>
---	---	---	---

76:10, 78:16, 92:10, 94:2, 97:3, 102:16, 104:5, 121:1, 123:18, 128:20 morning 5:13, 5:15 most 27:7 motion 32:13 motivation 103:18, 106:3 mount 116:20 move 38:4, 43:9 moved 25:3 mt 121:21 much 63:12 multimedia 26:7, 26:19, 27:1 multiple 21:9, 26:6 must 6:9, 6:14, 19:8, 19:14, 20:2, 20:18, 21:4, 68:1 myself 53:12, 79:19	necessarily 55:18, 63:15, 106:10, 110:15, 111:18 necessary 16:9, 61:4 need 10:7, 15:19, 17:10, 39:21, 50:12, 51:13, 68:20, 78:16, 78:17, 129:14, 131:21 needed 15:17, 17:6 needs 27:12 neighborhood 6:5 next 34:13, 37:5, 113:1 nixon 2:14, 4:19, 15:22 node 68:16 noise 109:11 nonlinear 112:17 nonoverlapping 129:7 nope 36:17 normally 7:14, 7:20 norman 7:20 north 7:20 notary 134:1, 134:8, 134:31 note 89:12 notes 10:4, 97:20,	134:16 nothing 5:4, 5:11, 97:16, 131:12, 133:11 notifications 9:12 number 6:1, 25:8, 30:7, 41:1, 94:14, 106:14, 111:5 numeral 110:2 <hr/> O <hr/> oakland 134:5, 134:31 oath 4:6, 7:22 object 6:13, 27:20 objection 12:11, 18:13, 19:17, 20:4, 20:20, 21:5, 30:20, 31:6, 37:21, 39:1, 39:11, 40:7, 41:8, 42:8, 43:6, 45:6, 46:6, 46:20, 47:22, 49:5, 51:5, 52:1, 52:9, 52:22, 55:7, 56:7, 59:2, 59:16, 60:15, 62:5, 62:15, 64:7, 69:14, 70:20, 76:5, 77:13, 77:14, 78:15, 80:15, 84:2, 87:14, 88:10, 89:5, 91:6, 91:19, 92:6, 93:19, 94:16, 95:6, 96:5,	97:15, 98:12, 105:6, 107:9 objections 4:11, 4:15, 4:21, 4:22, 12:20, 70:1, 71:12 obtained 118:18 obvious 85:12, 86:2 obviously 28:6 obviousness 20:2, 20:17, 84:18, 85:9, 86:3, 86:5 occupy 49:22 occur 127:17 occurred 126:11, 127:14, 130:1, 134:23 offer 45:10, 45:21, 84:17 offered 64:12 offering 45:15 office 1:1 often 45:10 oh 38:1, 47:15, 99:3, 115:20 okamura 19:12, 19:14, 21:4, 36:12, 61:4, 61:9, 62:18, 62:20, 63:6, 68:12, 70:9, 74:20, 76:8, 76:22, 77:1, 77:11, 77:16, 79:2,
<hr/> N <hr/> nagoya 120:19, 124:16 name 5:21, 16:4, 25:12, 53:15 narita 128:10, 128:13, 128:16 near 121:8, 122:13, 124:16, 124:17			

<p>98:22, 99:8, 99:18, 101:11, 102:6, 102:14, 103:7, 103:9, 103:11, 103:22, 104:5, 105:3, 105:8, 107:6, 107:7, 107:10, 107:13, 107:21, 108:11, 112:11, 113:6, 115:12, 116:7, 116:9, 116:16, 117:15, 119:14, 120:5, 120:9, 120:17, 123:8, 123:20, 124:3, 124:10, 124:21, 125:21 okamura's 74:22, 77:5, 77:20, 78:12, 79:4, 79:10, 80:1, 80:16, 117:2, 124:20 okura 122:3 once 93:12 one 11:19, 27:5, 30:2, 31:8, 31:15, 42:6, 43:11, 43:15, 46:11, 49:18, 53:18, 53:21, 58:16, 59:19, 76:1, 76:9, 77:17, 79:13, 83:17, 87:7, 89:10, 89:17, 90:21, 92:14, 93:7, 95:18, 96:14, 97:19, 99:3, 99:13, 99:15, 105:7, 105:12, 111:18, 122:21, 126:1, 127:22, 128:5,</p>	<p>128:14, 128:20, 129:8, 129:9 one-minute 97:21 only 31:10, 35:15, 58:4, 58:15, 65:1, 70:13, 71:2, 74:22, 76:1, 78:12, 79:4, 86:9, 86:16, 87:13, 90:7, 90:20, 93:6, 94:14, 97:2, 105:22, 107:1, 123:13 open 9:16, 9:18, 13:22, 14:4, 14:7, 31:13, 32:3, 32:4, 34:2, 34:20, 54:5, 99:9, 99:16 open-faced 72:16 opened 14:5, 32:18, 74:8 opening 14:2 opens 52:18 opine 82:17, 88:3, 132:10 opinion 13:3, 30:22, 31:7, 42:3, 47:2, 49:4, 50:20, 55:20, 69:2, 69:20, 74:20, 75:8, 76:13, 80:10, 83:10, 90:2, 91:14, 91:16, 92:5, 93:14, 93:15, 95:16,</p>	<p>96:2, 97:13, 101:17, 101:20, 102:12, 102:21, 104:13, 106:8, 110:6, 110:10, 117:20, 117:22, 119:14, 121:17, 122:11, 123:4, 123:9, 123:21, 124:4, 128:7, 128:21, 132:17 opinions 12:8, 12:18, 12:22, 13:1, 29:10, 30:3, 37:15, 37:20, 45:21, 45:22 option 95:18 options 76:9 order 36:19, 37:10 ordering 11:18, 36:2 ordinary 11:3, 41:20, 42:6, 42:16, 42:20, 43:12, 43:15, 43:21, 45:18, 46:1, 46:11, 46:18, 47:4, 49:18, 59:19, 61:17, 66:22, 75:11, 96:14, 133:1 organize 97:20 original 56:19, 83:7, 94:15 originated 17:13, 41:16 ostensibly 122:17 other 8:19, 9:4, 9:17, 9:19,</p>	<p>10:1, 12:4, 12:8, 12:9, 12:16, 29:22, 31:8, 36:13, 36:15, 38:13, 43:17, 43:18, 43:22, 47:5, 47:18, 54:10, 58:20, 59:6, 62:3, 62:11, 63:2, 63:8, 63:14, 63:19, 65:11, 90:7, 90:9, 90:15, 90:18, 91:2, 91:7, 91:17, 91:21, 93:3, 95:10, 95:11, 100:15, 101:5, 111:11, 116:12, 121:10, 131:11, 133:3 otherwise 6:15 out 24:17, 39:16, 40:11, 59:4, 64:21, 94:21, 100:8, 105:11, 119:9, 125:15, 133:15 outlined 79:22 output 68:4, 68:5, 87:11 outside 26:7, 40:22, 46:17, 57:20, 58:8, 113:21, 114:2, 114:10, 114:15, 115:14, 116:3, 118:12, 120:11, 123:11, 124:6, 125:2, 125:4, 130:1 over 36:12, 37:3,</p>
---	--	--	---

<p>37:4, 37:9, 54:9, 78:21 overlaid 114:4, 116:14 overlap 127:22, 128:15 overlapping 128:1 own 44:3, 91:20, 92:2, 95:8 owner 1:10, 2:12, 17:18, 17:22, 18:8, 18:11, 33:1, 33:5, 35:4, 35:12 owner's 32:9, 32:10</p> <hr/> <p style="text-align: center;">P</p> <hr/> <p>p-o-s-i-t-a 11:2 page 3:3, 3:13, 14:14, 14:16, 14:17, 33:6, 33:7, 83:19 pages 1:21 papers 43:18 paragraph 14:17, 18:17, 19:3, 19:6, 19:22, 20:16, 21:20, 22:1, 22:3, 22:4, 22:5, 22:6, 23:19, 24:20, 25:16, 25:17, 25:19, 26:5, 28:15, 29:4, 29:9, 29:16, 29:17, 30:4, 33:18, 34:4, 34:7, 35:21, 37:11, 37:14,</p>	<p>44:7, 44:12, 45:22, 50:14, 51:2, 51:3, 53:7, 53:12, 56:20, 67:1, 67:5, 67:10, 67:14, 68:2, 69:3, 69:10, 69:22, 71:1, 73:18, 74:15, 74:20, 75:8, 76:16, 77:3, 78:10, 79:1, 79:14, 81:21, 82:10, 82:14, 84:16, 94:10, 94:21, 99:22, 100:6, 100:19, 102:6, 102:8, 102:13, 102:15, 103:1, 103:2, 104:18, 104:19, 105:8, 106:6, 106:8, 106:13, 106:16, 106:17, 106:18, 107:19, 108:6, 112:12, 112:15, 113:1, 117:13, 130:3, 130:10, 130:11, 130:21, 130:22, 131:4, 131:16, 132:14 paragraphs 53:8, 76:19, 76:20, 80:9, 80:22, 82:17, 84:22, 100:3, 101:10, 103:10, 103:21, 104:14, 104:17, 104:20, 105:2, 107:7, 107:22, 108:10, 108:13 parentheses 69:6, 111:4 parents 26:12, 26:14,</p>	<p>26:15, 26:17, 27:2, 27:7, 27:16, 28:5, 28:7 park 7:9, 7:17, 122:3 parlance 93:3 part 12:12, 20:10, 20:12, 39:13, 59:9, 63:6, 63:9, 65:2, 88:11, 88:15, 96:6, 96:10 participating 4:4 particular 11:17, 17:13, 22:12, 22:21, 23:2, 24:7, 24:12, 27:14, 35:10, 35:17, 44:4, 44:16, 45:3, 45:16, 46:12, 47:2, 51:16, 53:3, 56:15, 56:20, 59:21, 60:7, 66:21, 70:5, 70:11, 78:3, 78:6, 80:21, 83:16, 86:4, 89:11, 91:22, 93:7, 108:15, 111:10, 119:22, 122:18, 131:7, 133:2 particulars 73:10 parties 4:10 partition 60:18 partitioning 60:5, 61:11 parts 17:4</p>	<p>party 134:18, 134:20 passage 64:13 past 6:6, 37:4 patent 1:1, 1:3, 1:10, 1:14, 2:12, 10:16, 10:18, 10:19, 10:20, 10:21, 11:4, 13:7, 17:18, 17:22, 18:8, 18:11, 29:6, 29:18, 30:6, 30:9, 30:12, 30:17, 30:18, 31:16, 32:6, 32:9, 32:10, 33:1, 33:5, 33:12, 34:8, 34:20, 34:22, 35:4, 35:12, 38:5, 38:20, 39:4, 39:10, 39:18, 40:5, 41:1, 41:6, 41:7, 42:4, 42:10, 46:17, 47:3, 50:21, 53:19, 54:2, 54:15, 55:6, 55:21, 56:3, 56:11, 57:21, 59:15, 60:5, 61:3, 61:14, 61:22, 62:4, 62:12, 64:6, 65:4, 65:7, 65:15, 67:15, 68:9, 71:8, 71:16, 72:1, 72:6, 72:10, 73:7, 73:9, 73:14, 73:16, 101:7, 108:18, 108:22, 109:19,</p>
--	--	---	---

<p>110:19, 122:22, 130:9 patent's 45:4, 46:1, 46:19, 73:2 patentee 44:3 patents 1:6, 2:5, 4:18, 10:12, 42:13, 43:18, 43:22, 55:16, 62:12, 73:4 pause 78:16 pdf 9:17, 14:16, 28:20, 33:7, 126:7 peabody 2:14, 4:19 penalty 4:8 pending 10:8 people 10:1, 27:4, 27:17, 38:17, 53:14, 53:19, 54:1, 54:4, 54:6, 58:16, 60:2, 60:11, 60:13, 60:19, 61:12, 61:15, 61:19, 62:2, 62:11, 62:19, 62:21, 63:5, 63:6, 63:8, 63:13, 64:5, 64:10 perform 95:20 performed 69:16 performing 102:5 perhaps 55:13</p>	<p>perjury 4:9 person 4:7, 11:3, 33:19, 34:14, 41:20, 42:15, 42:19, 45:18, 47:4, 61:17, 66:21, 75:10, 132:22 person's 53:15 personal 8:22 personally 35:21 perspective 83:9 petitioner 1:7, 2:3, 4:18, 74:21, 79:3, 79:19, 80:2, 84:17 ph 1:16, 3:4, 4:1, 4:6, 5:8, 13:17, 134:11, 134:23 phone 9:20, 133:14 photographs 127:20 photos 26:20, 27:2, 116:12, 126:16, 126:18, 126:19, 126:20, 127:6, 127:9, 127:12, 128:8, 128:9, 128:14, 129:20, 129:22 phrase 66:15, 94:11 phrasing 75:12 picture 109:3, 109:7 pictures 58:4</p>	<p>piece 59:21, 64:22, 65:4, 70:5, 70:11, 71:16, 73:8, 73:11, 91:22 pieces 65:11, 68:20, 72:7, 72:19, 102:19 pile 120:13, 121:9 piled 121:1, 122:20 pixel 84:7, 84:21, 85:5, 85:7, 86:20, 87:13, 88:2, 88:8, 88:9, 88:18, 88:21, 89:3, 89:8, 90:3, 90:11, 90:17, 91:16, 92:4, 92:7, 92:13, 92:19, 93:2, 93:16, 94:8, 95:2, 95:15, 96:3, 96:12, 96:17, 96:18, 96:22, 97:8, 97:13 pixels 94:14 place 7:20, 33:15, 48:12, 48:14, 51:10, 74:22, 77:5, 78:11, 79:3, 79:9, 80:17, 121:6, 121:8 placed 78:11, 112:18 placement 115:10 places 88:19</p>	<p>plain 46:1, 46:11, 46:18 please 4:14, 5:1, 9:10, 12:13, 64:1, 81:22, 92:20, 125:11 plug 133:15 plurality 87:8, 87:9 point 12:1, 13:3, 28:22, 44:8, 63:12, 70:9, 79:13, 81:9, 82:22, 94:2, 127:19 pointed 59:5, 119:9 pointing 84:10, 85:3 points 71:14 pop 9:12 por 13:17, 33:5 portal 27:16, 27:21, 28:4 portion 17:8, 47:2, 76:10, 83:6, 83:18, 87:13, 94:15, 116:9 portions 18:6, 18:10, 83:12 posita 11:2, 94:11, 95:4, 95:5, 132:18 position 100:13, 103:3 positional 103:4</p>
--	---	---	---

<p>positions 101:2</p> <p>possibility 31:4</p> <p>possible 13:11, 31:9, 52:12, 54:14, 59:11, 60:2, 60:19, 61:7, 61:12, 61:19</p> <p>possibly 68:9, 73:15, 120:22</p> <p>posting 27:12</p> <p>potentially 12:8, 43:13, 63:3, 132:12</p> <p>power 24:17</p> <p>powerful 104:10</p> <p>practiced 61:8</p> <p>practices 73:16</p> <p>practicing 65:4, 65:7</p> <p>pre-elementary 26:14</p> <p>precise 56:14, 63:1, 64:15, 72:17</p> <p>precisely 64:22, 73:6, 73:14</p> <p>preclude 89:3</p> <p>prediction 24:13</p> <p>prefer 81:10</p> <p>preferred 55:11, 55:14, 57:4, 57:15, 57:19, 58:1, 58:7</p> <p>preparation 16:19</p>	<p>prepare 15:17, 16:2, 16:11, 17:2, 35:21, 35:22, 36:10, 36:18, 37:2</p> <p>prepared 16:7, 36:1, 39:19, 40:10</p> <p>preparing 15:7, 15:11, 17:21, 18:2</p> <p>present 30:17, 30:18, 56:12, 91:9, 112:19</p> <p>presentation 87:10</p> <p>presented 38:22, 73:3, 86:9, 86:16</p> <p>presenting 95:18</p> <p>presses 77:4</p> <p>pressing 77:1, 78:11</p> <p>pretty 27:22, 28:1, 104:10</p> <p>prevent 8:13, 8:16</p> <p>previous 29:17, 37:8, 43:17, 44:21, 55:9, 110:12</p> <p>previously 3:17, 3:18, 3:19, 3:20, 3:21, 13:19, 31:20, 32:16, 34:3, 74:3, 99:11</p> <p>prior 11:12, 18:20, 20:1, 20:17, 20:22, 43:20, 59:21, 61:2,</p>	<p>63:18, 64:13, 64:21, 65:1, 65:5, 65:11, 68:10, 68:20, 68:21, 70:5, 70:11, 70:17, 70:18, 71:3, 71:5, 71:9, 71:16, 71:22, 72:7, 72:19, 73:2, 73:5, 73:8, 73:11, 73:15, 95:10, 98:17, 102:16, 103:6, 103:18, 104:6, 104:11, 105:15, 105:16, 105:19, 106:2, 106:11, 108:14</p> <p>priority 29:19, 30:2, 30:6</p> <p>privileged 16:15, 17:1</p> <p>probably 9:16, 28:3, 35:15, 35:19, 56:16</p> <p>problem 94:5, 94:7, 104:6</p> <p>problematic 93:22</p> <p>proceed 5:7</p> <p>proceeding 4:15, 8:5, 11:12, 15:2, 15:5, 17:19, 18:1, 19:11, 32:12, 45:5, 73:3, 73:22, 74:12, 82:14, 85:20, 99:18, 130:9, 130:16</p> <p>proceedings 133:18</p> <p>process 16:11, 17:1,</p>	<p>37:8</p> <p>processing 100:10, 100:21, 103:2, 105:10, 112:18</p> <p>produced 68:4</p> <p>product 16:15</p> <p>products 27:18</p> <p>professor 13:17</p> <p>profit 90:17</p> <p>program 24:14</p> <p>projects 22:9, 23:21, 23:22, 25:1</p> <p>properly 17:7, 92:10, 132:21</p> <p>proposal 85:8, 85:16</p> <p>proposed 19:7, 20:2, 20:17, 82:18, 82:20, 88:2, 100:9, 100:20, 105:9</p> <p>proposes 74:21, 79:3, 80:2</p> <p>proposing 79:20, 89:19</p> <p>provide 6:9, 6:14, 8:11, 8:19, 27:5, 27:13, 49:14, 68:2, 68:6, 76:18, 83:3, 132:17</p> <p>provided 11:11, 11:16, 49:11, 54:10, 58:13, 59:11, 61:1, 65:2,</p>
--	---	---	---

<p>65:8, 69:10, 69:21, 76:2, 95:12 provides 53:9, 53:13, 62:20, 75:16, 83:4, 90:10 providing 11:20, 41:4, 49:20, 71:4, 90:15, 93:7, 101:20 public 134:8, 134:31 publications 43:22 pull 98:20, 126:1 purpose 119:13 put 13:9, 13:15, 14:1, 17:11, 17:12, 31:16, 35:15, 35:19, 49:20, 68:20, 73:22, 99:1, 99:7 putting 23:6, 89:12</p>	<p>89:2, 98:19, 101:17, 107:5, 108:8, 110:12, 115:18, 118:15, 118:20, 124:2, 126:13, 127:15, 128:20, 129:4, 129:19, 133:8 questions 6:10, 10:8, 114:19, 129:14, 131:21, 132:2, 133:17, 134:13 quick 13:5 quickly 126:8 quote 86:9, 90:13, 119:10</p>	<p>94:20, 95:8, 96:14, 116:21, 131:17 reading 39:18, 61:17, 78:22, 79:1, 121:7, 132:18 ready 19:4 real 54:4 really 28:14, 48:14, 50:11, 50:13, 55:11, 55:15, 62:3, 63:11, 76:17, 82:22, 84:13, 88:4, 92:8, 104:7, 120:13, 128:14 realtime 132:5 reason 8:8, 8:10, 8:12, 8:19, 83:4 reasonable 40:1 rebut 84:19, 85:15 recall 15:12, 30:10, 39:5, 42:9, 42:10, 47:5, 48:2, 86:22, 87:15, 87:17, 97:2, 97:4, 98:15, 101:20, 102:3, 102:5, 130:20, 132:6 recap 103:20 recite 56:4, 62:12, 77:2, 87:6, 91:4 recited 34:9, 62:3, 64:5, 95:2, 97:14</p>	<p>recites 38:12, 38:14, 38:17, 49:1, 67:11, 106:13 recognize 14:10, 32:5, 32:20, 74:9, 99:17 record 5:21, 9:11, 13:18, 19:2, 20:13, 20:14, 23:14, 23:16, 23:17, 24:5, 31:19, 32:15, 48:19, 48:20, 48:21, 74:2, 81:13, 81:16, 81:17, 81:18, 81:19, 97:22, 98:1, 99:10, 112:4, 112:5, 129:16, 129:17 recorded 134:13 red 57:18 redacted 32:9, 32:11 redacting 32:13 redirect 131:22 reduced 82:13, 84:4, 84:7, 84:21, 85:5, 85:7, 86:20, 87:12, 88:2, 88:8, 88:9, 88:18, 88:21, 89:3, 89:8, 90:3, 90:11, 90:17, 91:16, 92:4, 92:7, 92:13, 92:19, 93:2, 93:16, 94:8, 94:14, 95:2,</p>
<p style="text-align: center;">Q</p> <p>quarter 25:3, 25:5, 26:4 question 6:14, 6:17, 6:22, 18:9, 20:12, 21:3, 39:8, 45:9, 49:17, 51:13, 51:14, 56:19, 58:6, 63:7, 63:9, 64:3, 71:19, 76:17, 79:8, 88:7, 88:11, 88:15, 88:17, 88:22,</p>	<p style="text-align: center;">R</p> <p>r-e-i-n-m-a-n 5:22 raise 5:1 raised 87:15 raising 87:21, 88:5 rate 15:4 rather 71:4 rdr 1:22, 134:30 re-ask 52:4, 115:21, 125:17 re-cross 131:21 read 19:1, 19:2, 36:11, 41:19, 42:14, 45:18, 50:1, 55:5, 59:18, 64:14, 73:4, 87:3,</p>		

<p>95:15, 96:2, 96:12, 96:16, 96:18, 96:22, 97:3, 97:8, 97:13, 134:14 reduced-pixel 83:11, 83:22, 84:11, 86:10, 86:17, 87:10, 88:13, 94:12 reduced-size 83:5, 83:11, 83:18, 88:9, 89:3, 90:3, 93:18, 94:9 refer 10:18, 14:22, 30:5, 33:1, 38:21, 91:8, 103:21, 130:13, 131:16 reference 10:20, 18:20, 19:7, 20:1, 20:17, 21:7, 44:8, 62:17, 73:21, 74:11, 83:13, 84:8, 85:18, 85:20, 87:3, 90:20, 91:15, 91:18, 95:2, 95:3, 100:5, 100:16, 101:13, 101:15, 107:6, 123:20 references 20:22, 91:21, 105:14, 106:7, 107:5, 108:14 referred 19:12, 109:21, 109:22, 110:1, 130:8 referring 10:21, 11:2, 33:2, 84:22, 85:5, 98:9, 98:10, 100:16,</p>	<p>101:6, 101:12, 107:21, 108:10, 108:13 refers 94:12, 96:19, 96:20 refresh 78:18, 102:4, 103:14, 117:11, 130:11 regarding 103:10 regardless 29:10, 29:21, 30:1 region 116:10, 116:19, 116:22, 121:1, 122:18, 124:22, 125:1 regions 113:2, 113:10, 113:17, 114:9, 114:10, 114:14, 115:6, 115:8, 115:13, 115:14, 116:2, 118:12, 120:9, 120:11, 120:18, 122:13, 122:14, 123:6, 123:11, 123:14, 124:6 reinman 1:16, 3:4, 4:1, 4:6, 5:1, 5:8, 5:14, 5:22, 13:17, 22:14, 23:20, 51:13, 81:21, 112:7, 134:10, 134:23 reiterates 117:15 relate 61:9, 105:21, 118:7, 119:10 related 82:14, 88:1, 102:8, 102:12,</p>	<p>102:18, 102:20, 103:11, 103:21, 104:14, 104:18, 105:2, 105:9, 106:6, 106:9, 106:15, 106:19, 106:22, 107:2, 107:8, 107:14, 107:21, 108:1, 108:3, 108:7, 108:9, 117:3, 117:16, 118:1, 119:9, 122:14, 134:17 relates 73:11, 105:18, 105:19, 105:22 relation 63:17, 68:19, 87:22 relationship 69:18, 69:20, 118:16 relevant 67:7, 88:5 relied 47:3, 47:18 remember 11:8, 11:18, 15:6, 15:15, 18:2, 18:4, 19:5, 28:14, 31:1, 36:1, 46:7, 98:13, 130:17, 130:20, 131:17 remote 6:6, 7:3 reopening 126:8 repeat 12:13, 20:11, 22:18, 51:13, 63:9, 67:6, 92:21, 126:13 repeating 53:12, 82:6 rephrase 6:18, 12:15,</p>	<p>47:16, 76:16, 76:17, 92:21, 114:5, 114:7, 120:3, 121:19, 126:21, 128:6 reply 39:15, 49:19, 50:10, 60:3, 61:11, 62:7, 72:7, 89:15, 89:20, 89:22, 93:8, 93:10, 93:13 replying 40:8 report 13:9, 13:12, 13:15, 39:4, 39:15, 40:2, 59:8, 60:4, 61:11, 62:7, 66:17, 70:7, 72:7, 76:7, 76:11, 87:16, 89:14, 92:8, 92:13, 93:8, 94:21, 94:22, 101:20, 102:4 reportedby 1:22 reporter 6:10, 134:8 reporting 4:12 represent 57:17, 114:14, 119:5 representation 119:18 representative 55:18, 116:10, 116:15, 116:19, 118:17 represented 58:21, 134:21 representing 87:8 reproduced 67:11</p>
---	---	--	--

<p>require 56:4, 60:21, 72:17 required 17:4, 57:14, 58:15, 80:11 requirement 78:4 requirements 79:21 requires 71:3 research 24:22 researching 22:11 reside 7:14, 7:16, 7:20 residential 7:12 resized 96:1 resources 47:5 respect 47:7, 59:22, 61:2, 65:5, 65:7, 86:5 respond 68:10 responded 87:16 response 17:18, 17:22, 18:8, 18:11, 32:9, 32:10, 33:1, 33:5, 35:4, 35:12, 40:11, 67:12, 74:18, 76:10, 76:12, 78:4, 78:8, 80:5, 80:19 responsive 65:18, 66:2, 66:5, 66:12, 66:15, 66:19,</p>	<p>67:2, 67:22, 68:5, 68:12, 69:2, 69:9, 69:12, 69:18, 71:11, 75:17, 75:22, 77:9, 78:7 rest 67:3 restriction 87:18 restrictions 54:10 resume 48:15 retained 3:15 reveal 16:14, 16:22 review 17:22, 19:3, 30:9, 101:10, 130:15 reviewed 16:8, 19:11, 30:11, 101:14, 131:15, 131:18 reviewing 18:2, 18:4, 73:2 right 5:1, 5:13, 9:15, 10:11, 13:9, 14:17, 25:22, 28:20, 28:21, 31:17, 32:5, 38:4, 46:3, 48:17, 52:4, 58:10, 66:8, 72:16, 74:1, 75:21, 86:12, 109:13, 111:21, 124:12, 125:21, 126:7, 127:5, 130:5, 131:14, 131:20, 132:2 right-hand 109:4, 109:7</p>	<p>rnr 1:22, 134:30 room 9:20, 10:1 rough 15:14 rows 86:13 rpr 1:22, 134:30 rule 45:10 rules 11:1 run 23:12, 24:4 running 9:3, 9:5, 23:11</p> <hr/> <p style="text-align: center;">S</p> <hr/> <p>said 23:5, 41:9, 41:11, 44:5, 45:13, 46:3, 47:14, 47:17, 49:6, 54:17, 56:10, 58:13, 60:10, 62:16, 64:8, 71:18, 79:14, 82:3, 82:4, 82:5, 82:6, 84:4, 84:7, 92:20, 96:10, 110:20, 114:3, 115:20, 115:21, 124:12, 125:12, 126:19, 126:21, 130:5, 133:9, 133:12 same 12:20, 18:12, 21:5, 29:10, 30:3, 33:14, 35:13, 35:14, 43:6, 52:9, 70:1, 71:12, 94:18, 108:8, 119:12, 120:2,</p>	<p>129:6 samsung 82:12, 88:2, 89:19, 94:4 samsung's 85:8, 85:16, 86:6, 94:1 san 25:1 sandwich 72:10, 72:11, 72:13, 72:16 sat 12:3 say 6:8, 10:20, 11:2, 12:7, 12:17, 16:6, 16:10, 17:12, 19:22, 23:11, 26:5, 28:4, 29:4, 29:9, 31:9, 41:9, 42:11, 43:7, 46:10, 51:14, 57:8, 57:19, 57:21, 59:17, 60:16, 60:18, 64:8, 65:3, 65:6, 65:10, 67:6, 67:16, 69:3, 69:6, 71:15, 72:12, 72:19, 77:15, 78:5, 79:20, 80:16, 82:4, 82:21, 83:21, 84:7, 84:16, 85:7, 89:1, 89:21, 90:6, 90:11, 91:11, 91:15, 93:20, 93:22, 94:10, 94:11, 96:14, 96:16, 98:13, 104:10, 106:16, 106:22, 110:13, 110:17, 113:5,</p>
--	--	--	---

<p>113:12, 117:14, 120:22, 128:4, 129:8 saying 41:16, 41:18, 42:3, 56:20, 57:1, 58:12, 60:17, 62:22, 70:16, 76:6, 76:7, 76:21, 78:6, 80:2, 80:9, 85:9, 85:14, 85:16, 89:13, 90:14, 94:20, 94:21, 104:5, 105:1, 106:5, 119:11, 121:10, 121:16, 128:18 says 20:16, 22:6, 39:5, 50:17, 53:13, 55:4, 55:9, 59:6, 64:14, 64:16, 65:22, 79:7, 91:1, 94:22, 106:18, 106:21, 107:20, 107:22, 108:6, 108:9, 109:4, 112:22, 115:1, 115:5, 123:20, 127:3, 127:5 scale 113:2 scenario 78:3 schedules 26:17 scheduling 4:16 schematically 112:16 school 26:13, 26:14, 26:16, 26:21, 27:13, 27:14,</p>	<p>27:17, 27:18 schools 26:16, 28:1 science 25:20 scope 30:21, 40:22, 55:1, 55:17, 57:20, 65:9, 132:12 scratch 17:16, 18:9, 91:3, 91:15, 104:15, 124:2, 127:14, 128:21, 131:3 screen 14:5, 28:20 scroll 113:7, 115:16 seal 32:13 search 86:22, 87:2 searched 97:3 sec 97:20 second 11:19, 33:17, 38:14, 66:6, 66:12, 77:7, 78:1, 78:5, 80:12, 97:19, 112:19, 115:7, 117:9, 117:12, 117:14, 126:1 seconds 133:13 section 42:11, 44:13, 44:22, 46:5, 46:16, 47:19, 82:22, 86:4, 101:1, 106:14, 112:18, 113:4, 127:18, 132:20, 133:4</p>	<p>see 13:1, 13:22, 14:2, 14:17, 28:21, 30:8, 33:17, 33:18, 34:7, 34:13, 34:21, 42:10, 45:2, 50:22, 52:13, 62:20, 66:14, 74:5, 78:17, 81:3, 85:9, 85:13, 85:15, 86:19, 89:6, 89:17, 89:18, 90:21, 91:7, 91:9, 95:22, 97:18, 98:11, 100:2, 100:8, 109:3, 109:6, 109:21, 114:11, 115:1, 115:15, 117:10, 117:18, 121:10, 122:16, 122:19, 123:1, 123:17, 126:20, 127:2, 127:5, 129:14, 131:1 seeing 73:16, 90:20 seem 104:20 seems 15:14, 35:6, 70:22, 92:14, 93:6 seen 32:21, 89:13, 89:17, 90:19, 91:11, 92:15, 93:9 select 33:19, 34:15, 67:17, 68:1, 69:4 selectable 66:7 selected 128:5</p>	<p>selecting 69:9, 69:15, 79:9 selection 66:3, 66:6 sense 75:13, 82:21, 95:20, 120:2, 129:4 sentence 33:17, 34:13, 35:14, 41:10, 50:17, 55:9, 79:2, 100:2, 100:9, 100:20, 103:1, 106:18, 107:20, 108:2, 108:6, 108:9, 113:1 separate 76:15, 77:2, 77:11 series 98:8, 98:11, 98:13, 100:11, 100:22, 101:19, 102:2 services 11:12, 11:21 set 79:21, 134:12 settled 25:5 share 28:22, 40:6, 40:8 shared 34:3 sharing 9:15 shizuoka 120:19 shooting 100:13, 101:3 shop 27:11 short 48:5, 48:15</p>
--	--	--	--

<p>should 9:7, 14:17, 21:8, 22:18, 45:4, 45:7, 45:13, 46:4, 56:16</p> <p>show 92:15, 113:20, 114:1, 114:8, 115:12, 116:1, 118:11, 120:5, 120:9, 122:7, 124:8, 124:21, 127:12, 127:16, 128:7, 128:18, 128:19, 129:2, 129:20, 130:2</p> <p>showing 53:14, 58:14, 85:6, 95:20, 98:7, 112:16, 113:9, 113:12, 114:3, 114:20, 115:6, 115:8, 123:13, 125:4, 127:19</p> <p>shown 52:6, 54:1, 89:7, 97:8, 111:17, 113:13, 113:16, 116:13, 118:7, 118:19, 118:21, 119:1, 119:2, 120:20, 123:5, 123:22, 124:4</p> <p>shows 50:21, 53:18, 83:20, 116:4, 121:20, 122:2, 127:8, 128:22</p> <p>side 98:8, 100:11, 100:22, 101:18, 101:19, 102:2</p> <p>sign 26:14</p> <p>signature 14:18, 14:20</p>	<p>signature-lapgj 134:28</p> <p>signing 27:9</p> <p>similar 114:19</p> <p>simulation 22:16, 23:7</p> <p>simultaneous 20:5, 44:19, 47:10</p> <p>simultaneously 114:2, 114:9, 115:13, 116:2, 118:12, 120:10, 123:10, 124:1, 124:5, 125:1, 128:9, 129:21</p> <p>since 7:3, 18:3, 31:4, 40:9, 81:5</p> <p>single 86:9, 86:16</p> <p>sir 6:3, 6:7, 6:12, 6:16, 7:2, 7:7, 8:2, 8:7, 8:12, 8:15, 8:18, 8:21, 9:2, 9:9, 9:22, 10:3, 10:5, 10:10, 10:17, 10:22, 14:11, 14:15, 14:19, 15:3, 15:9, 15:12, 15:19, 17:20, 19:10, 19:13, 29:14, 30:8, 30:13, 30:15, 33:16, 34:1, 34:12, 37:1, 37:18, 38:2, 38:11, 38:13, 38:16, 38:19, 49:3, 49:6, 49:19, 50:16, 53:11, 53:17, 55:4, 65:22,</p>	<p>66:9, 66:14, 67:19, 74:10, 74:13, 74:19, 75:6, 82:1, 82:16, 86:19, 97:16, 100:18, 101:9, 101:16, 112:10, 112:22, 113:5, 113:19, 113:22, 114:3, 118:4, 118:9, 119:6, 122:6, 127:4, 127:7, 127:11, 130:17, 131:18, 132:13, 133:10</p> <p>sit 131:12</p> <p>site 28:4</p> <p>situation 56:17, 60:3, 77:4</p> <p>size 82:13</p> <p>skill 11:3, 41:20, 42:6, 42:16, 42:20, 43:12, 43:15, 45:18, 47:4, 49:18, 59:19, 61:17, 66:22, 75:11, 96:15, 133:1</p> <p>skipping 108:20</p> <p>small 12:12, 24:18</p> <p>society 109:5</p> <p>software 9:3, 24:11</p> <p>solve 104:6</p> <p>some 9:17, 15:21, 23:21, 24:11, 27:4, 28:22,</p>	<p>29:22, 30:16, 50:7, 56:13, 57:3, 58:2, 65:3, 65:4, 68:4, 95:10, 113:13, 113:14, 116:3, 120:14, 133:3</p> <p>somebody 35:22</p> <p>someone 60:22, 109:11, 116:21, 119:20</p> <p>something 6:5, 24:11, 28:13, 28:22, 31:9, 36:19, 36:20, 37:9, 39:3, 40:14, 50:5, 50:8, 51:9, 62:18, 63:4, 89:16, 92:10, 92:16, 93:12, 94:2, 95:8, 97:2, 104:7, 105:3</p> <p>sometime 37:7</p> <p>somewhere 102:4, 121:12, 122:15</p> <p>sorry 20:6, 20:8, 20:9, 20:11, 22:5, 23:3, 23:13, 25:12, 25:16, 44:20, 47:11, 47:12, 51:2, 54:9, 55:22, 63:21, 78:16, 79:17, 82:2, 84:2, 88:14, 89:1, 91:3, 94:18, 103:1, 103:13, 104:2, 104:15, 107:11, 108:20, 109:11, 109:16,</p>
--	---	--	--

<p>110:7, 115:16, 115:18, 120:5, 124:1, 126:7, 127:14, 133:7 sort 17:5, 17:11, 25:5, 26:18, 26:21, 27:11, 27:14, 68:4, 104:11 soshigaya 122:4 sound 7:6, 9:13, 9:14, 10:9, 33:3, 37:5, 66:8, 86:12, 129:15 sounds 13:9, 14:9, 27:16, 39:2, 104:3 source 39:5 space 25:6, 25:8, 60:5 speaking 20:5, 44:19, 47:10, 78:21 spec 41:14, 41:20, 42:19, 43:1, 43:2, 43:9, 53:1, 56:15, 56:18, 57:2, 59:5, 96:14, 96:16, 96:18, 115:1 specific 11:16, 33:18, 34:14, 41:3, 41:13, 68:19, 77:15, 77:19, 79:21, 80:16, 86:10, 86:17, 88:4, 102:17, 107:2, 108:14,</p>	<p>111:3, 120:18 specifically 76:7, 102:1, 113:10 specification 42:15, 55:20, 57:11, 59:18, 61:18, 75:12, 87:18, 90:9, 90:11, 111:14 specifics 73:10 specify 57:15 speculate 35:15 spell 5:20 spend 15:10 spirit 55:1, 58:5 spoke 36:11, 94:18 spots 65:17 spread 123:16 ss 134:4 st 2:15 stand 12:7, 12:17, 12:21, 16:1 standards 17:5, 17:7 stands 93:5 start 11:6, 22:3, 26:3, 28:10, 42:13, 43:7, 100:4, 102:11, 132:2 started 11:8, 11:14, 11:18, 25:2,</p>	<p>25:19, 25:20, 26:2, 109:12 starting 4:16, 18:19, 31:22, 37:4, 44:7, 100:19 starts 22:2, 33:9, 33:12, 38:9, 53:8, 54:20, 100:8, 102:8, 104:19 state 4:14, 5:20, 67:10, 78:10, 111:2, 134:3, 134:8 stated 102:13 statement 55:5, 56:8, 59:5, 70:4, 76:11, 106:11, 107:15, 111:11, 119:7 states 1:1, 33:18, 34:7, 65:18, 66:2, 66:12, 67:7, 86:8, 104:18, 112:15 stenographer 4:4, 4:22, 5:6, 22:15, 23:14, 125:10, 125:13 stenographic 134:7, 134:16 stenographically 134:14 step 126:22 steps 24:7, 77:8, 80:12 stick 16:19 still 6:14, 21:18,</p>	<p>55:14, 57:2, 117:20 stood 13:3 stop 48:11 stopping 81:9 story 111:12 strike 8:8, 28:9, 32:22, 56:1, 109:22, 110:7, 117:21, 120:5 striped 129:8 stuff 27:19 submit 12:21 submitted 12:4, 12:19 submitting 36:6 suite 2:7 summer 22:7 support 13:17, 17:18, 26:16, 47:18 supposed 20:21, 114:13, 116:18, 122:17 sure 5:22, 7:19, 11:10, 11:15, 12:15, 13:13, 18:14, 22:11, 23:11, 24:2, 28:9, 29:1, 29:2, 29:3, 29:20, 31:2, 32:20, 36:6, 40:11, 40:16, 52:16, 78:20, 84:20, 85:3,</p>
---	--	---	--

<p>86:15, 88:12, 88:17, 95:7, 101:21, 103:16, 114:5, 115:2, 115:4, 117:7, 126:14, 126:15, 130:12, 132:4 suspect 28:19 swear 5:2 switch 29:1 sworn 5:10 system 24:11, 100:21 systems 25:4</p>	<p>taking 72:7 talk 21:21, 24:20, 24:21, 66:17, 66:20, 67:2, 67:14, 68:13, 74:17, 102:15, 102:22, 105:8, 108:13 talked 66:19, 88:19, 117:10, 132:20 talking 40:22, 54:9, 56:10, 58:17, 67:16, 72:4, 73:13, 77:17, 84:10, 86:4, 102:18, 106:2, 107:1, 108:2, 117:6, 126:18 talks 56:11, 103:7, 105:9 teaches 19:9, 19:15 teaching 25:20, 26:2, 26:3, 95:19 teachings 62:13, 64:3 technical take 43:18 technology 22:10 tell 11:15, 22:8, 26:9, 28:19, 60:18, 61:4, 68:18, 86:13, 92:12, 120:13, 120:17, 121:3, 121:4, 121:6, 121:7, 121:11, 121:18, 122:12 ten 36:20, 36:22,</p>	<p>37:10 term 38:21, 39:9, 40:5, 40:15, 40:18, 40:20, 41:3, 41:7, 41:17, 42:4, 42:17, 43:12, 43:21, 44:4, 45:16, 46:9, 49:8, 49:17, 50:7, 50:9, 50:11, 51:18, 51:20, 52:21, 61:20, 63:13, 69:12, 71:11, 82:11, 86:20, 88:20, 92:3, 95:11, 96:12, 97:1 termed 132:21 terminology 91:21 terms 15:21, 15:22, 17:3, 17:8, 18:14, 36:9, 37:22, 39:14, 47:1, 62:3, 62:11, 62:22, 63:14, 63:16, 63:17, 70:17, 71:7, 89:20, 94:3, 133:2, 133:3 testified 5:12, 132:10 testify 5:10 testimony 4:8, 5:2, 8:3, 8:4, 8:17, 8:20, 10:11, 40:9 text 90:9, 91:8, 91:9, 97:3, 122:3</p>	<p>textbooks 43:21 thank 5:6, 5:17, 9:10, 48:17 thanks 29:2, 81:15, 125:13 themselves 64:17 thereupon 5:9 thing 17:6, 17:11, 26:18, 27:15, 29:2 things 21:18, 25:9, 26:21, 27:9, 38:13, 43:16, 44:1, 55:12, 63:8, 72:16, 91:8 third 25:15, 25:16 thought 51:9, 63:22, 82:2, 82:4, 82:5, 92:8, 115:20 thoughts 129:13 three 76:9, 77:8 through 9:16, 23:7, 29:6, 29:18, 33:22, 34:18, 36:11, 42:9, 42:15, 44:12, 45:22, 54:16, 65:16, 65:18, 67:1, 68:17, 73:5, 82:17, 86:8, 86:15, 87:3, 87:18, 91:7, 103:10, 103:14, 103:21,</p>
<p>T</p>			
<p>tab 74:22, 77:1, 77:5, 78:11, 79:3, 79:9, 80:17 table 92:4 tagged 34:14 takakaura 101:12, 102:17, 104:4, 105:14 take 10:6, 10:9, 31:17, 41:10, 48:7, 48:10, 48:14, 81:8, 81:11, 87:2, 92:10, 111:22, 112:14, 123:1, 129:12 taken 24:7, 116:12, 119:18, 128:8, 128:9, 134:11, 134:17 takes 78:1, 115:16</p>			

<p>104:14, 104:17, 104:20, 105:2, 105:18, 105:21, 107:7, 107:22, 108:10, 108:13, 110:19, 111:1, 116:8, 126:22 thumbnail 53:14, 66:4, 66:7, 75:3, 80:4, 80:17, 80:18, 82:11, 83:5, 83:11, 84:11, 85:6, 85:7, 85:11, 86:11, 86:17, 87:22, 88:18, 93:17, 93:21, 94:12, 96:3, 98:8, 98:11, 100:11, 100:12, 100:21, 101:1, 101:18, 102:2 thursday 1:18, 4:2, 134:24 time 11:3, 13:7, 15:16, 15:17, 15:19, 27:5, 29:5, 50:1, 50:12, 58:7, 60:21, 92:10, 94:19, 98:8, 98:11, 98:13, 100:11, 100:22, 101:19, 102:2, 108:16 times 6:1, 6:4, 6:5 timing 11:15, 18:14, 24:17 titled 13:16, 108:1 today 5:14, 7:3, 7:8, 7:9, 7:22, 8:4,</p>	<p>8:11, 8:20, 9:1, 9:20, 10:2, 10:4, 10:11, 36:9, 36:18, 37:5, 40:6, 40:14, 131:13 together 21:11, 21:13, 21:19 tokyo 113:3, 113:10, 113:14, 113:17, 114:14, 114:21, 115:10, 115:13, 116:2, 118:11, 120:10, 120:19, 122:3, 122:14, 122:18, 123:5, 124:17, 124:22, 125:6, 125:19, 128:11 told 29:17 took 15:19, 48:5, 81:5 tools 24:17 top 42:10, 86:22, 87:17, 100:2, 113:13, 114:4, 121:3, 121:4, 122:21 totally 57:11, 84:20 trace 24:6, 24:9 traces 22:22, 23:1, 23:5, 23:6, 23:9, 23:10, 24:3 trademark 1:1 transcript 4:13, 6:11, 134:16</p>	<p>transcription 134:15 treat 20:22 trial 1:3, 130:9 triangles 129:8 tried 49:13 tries 103:7 trivialize 57:13 true 12:6, 102:11, 122:10, 134:15 truth 5:3, 5:4, 5:10, 5:11 truthful 8:4, 8:11, 8:14, 8:17, 8:20 try 6:18, 7:5, 39:16, 40:16, 49:22, 52:19, 60:1, 65:10, 70:12, 71:14, 102:4 trying 22:22, 24:12, 36:3, 39:5, 46:8, 58:10, 59:3, 69:1, 69:11, 95:10, 104:6, 104:12, 104:16 turkey 72:11 turn 14:16, 18:17, 33:6, 81:21, 132:14 turned 9:7 two 28:1, 30:3,</p>	<p>31:4, 37:9, 77:11, 88:19, 95:7, 102:16, 102:19, 106:7, 107:5, 108:14, 122:8 type 22:9, 26:9, 76:12 types 23:8, 26:16, 105:10, 107:15</p> <hr/> <p style="text-align: center;">U</p> <hr/> <p>ucla 25:21, 26:2, 26:7 uh-huh 121:2 ultimately 25:5 unable 122:12 under 4:8, 7:22, 37:13, 44:14, 44:17, 45:1, 46:10, 132:20, 133:4 undergone 60:7 underneath 109:4, 121:18, 122:8, 122:11, 123:2, 123:17 understand 6:13, 6:22, 7:22, 10:11, 10:14, 10:15, 10:19, 11:1, 15:1, 18:19, 19:6, 20:1, 20:16, 42:3, 42:13, 43:1, 43:8, 45:9, 46:11, 55:5, 57:9, 58:10, 58:11, 59:4,</p>
--	---	--	--

<p>59:20, 68:22, 69:1, 69:11, 70:16, 74:11, 89:10, 90:16, 94:11, 98:7, 104:16, 106:5, 108:8, 109:12, 125:18, 126:10, 129:5, 132:18 understanding 19:19, 20:21, 39:17, 40:4, 40:6, 41:6, 42:12, 42:14, 42:22, 43:4, 43:11, 43:15, 44:6, 46:18, 47:4, 49:17, 50:6, 55:22, 56:2, 57:12, 60:13, 60:14, 61:3, 61:18, 66:15, 66:21, 67:20, 67:21, 67:22, 71:4, 71:10, 71:11, 71:15, 72:1, 72:5, 72:13, 73:1, 73:9, 75:7, 75:10, 75:19, 75:21, 76:20, 80:8, 82:18, 83:21, 84:8, 85:19, 91:20, 92:2, 92:3, 95:1, 95:4, 96:12, 96:22, 97:7, 104:22, 105:7, 110:14, 115:2, 116:6, 117:2, 119:4 understood 6:20, 36:8, 43:10, 52:19, 53:7, 54:8, 54:12, 55:16, 58:6, 65:14,</p>	<p>73:4, 133:1 unified 1:6, 2:5, 4:18, 10:12, 32:12 unique 25:9 unit 25:9, 25:12, 25:14 united 1:1 universe 52:17, 60:2, 60:11, 60:12, 132:11 university 24:22 unless 6:15, 52:11, 131:21 until 26:3, 37:5, 75:15, 80:19 unusual 41:17 upper 109:4, 109:7 use 23:1, 24:9, 24:18, 42:22, 43:21, 44:8, 45:12, 58:3, 84:10 user 33:19, 34:14, 38:22, 67:17, 68:1, 69:3, 69:16, 75:16, 77:2, 77:4, 77:7, 78:1 uses 83:15 using 41:13, 43:11, 47:5, 48:2, 92:9, 93:20, 95:8 usually 27:4</p>	<p style="text-align: center;">v</p> <hr/> <p>vacuuming 109:12, 109:13 vague 12:11, 18:13 variation 54:5 variations 54:1, 54:7, 56:5 various 27:18, 55:22, 56:3 verbal 6:10 verbally 125:10 verbatim 79:7 verified 4:5 verify 120:16, 122:20, 122:22 version 32:10 versus 10:13, 72:6, 72:12, 72:14, 73:15 via 1:17, 87:10, 134:11, 134:23 viability 82:19 video 27:6, 117:3 videoconference 1:17, 134:11, 134:24 videos 26:20, 27:2 videotaped 1:16 view 19:22, 38:12, 38:14, 38:15,</p>	<p>38:17, 38:21, 39:9, 39:16, 39:17, 40:5, 40:12, 40:20, 41:7, 41:12, 41:13, 41:17, 41:18, 41:20, 42:4, 42:12, 42:17, 45:15, 49:1, 49:4, 49:8, 49:12, 49:16, 49:18, 49:21, 50:2, 50:4, 50:18, 50:19, 50:21, 51:15, 51:17, 51:20, 52:7, 52:14, 52:21, 53:2, 53:4, 53:14, 53:19, 54:1, 54:6, 60:11, 60:13, 61:15, 61:22, 62:2, 62:11, 62:12, 62:19, 62:21, 63:5, 63:6, 63:8, 63:14, 64:5, 64:10, 65:19, 67:13, 68:3, 69:5, 69:7, 69:8, 69:17, 71:7, 71:20, 71:21, 74:17, 75:1, 77:10, 78:14, 79:5, 79:11, 79:20, 80:1, 80:3, 80:6, 83:22, 88:7, 94:7, 123:3, 123:8, 123:20, 124:20 viewer 9:17, 126:7 views 29:10, 60:2, 60:19, 61:12, 61:19, 132:11</p>
--	--	---	--

<p>visually 4:7</p> <p>vs 1:8</p> <hr/> <p style="text-align: center;">W</p> <hr/> <p>waive 4:11</p> <p>walk 126:11, 126:17, 127:3, 127:9, 127:14, 127:17, 127:20, 128:4, 128:8, 129:1, 129:3, 129:21, 130:1</p> <p>want 13:11, 17:12, 20:11, 31:8, 39:19, 40:10, 41:4, 41:10, 45:8, 48:6, 48:7, 48:11, 50:7, 57:11, 57:13, 62:17, 70:4, 79:18, 81:7, 92:9, 104:9, 110:13, 112:1, 118:14, 118:15, 126:13</p> <p>wanted 29:20, 82:6, 110:11</p> <p>wants 94:2</p> <p>way 6:19, 16:10, 23:1, 27:7, 28:19, 31:8, 31:9, 39:9, 41:3, 44:5, 48:12, 49:20, 50:7, 52:4, 52:7, 52:10, 52:12, 52:13, 56:13, 60:16, 65:4, 70:13, 105:7, 118:14,</p>	<p>123:1</p> <p>ways 41:1, 61:7, 63:19, 65:6, 92:9, 92:19, 93:2</p> <p>we'll 132:6</p> <p>we're 9:11, 13:7, 14:7, 20:21, 23:11, 23:19, 33:14, 40:22, 46:8, 70:2, 72:3, 72:4, 73:13, 77:17, 81:4, 83:2, 104:6, 104:12, 105:20, 111:21, 117:5, 126:18</p> <p>we've 48:4, 58:17, 81:4</p> <p>web 1:9, 4:20, 10:13, 11:7, 11:12, 11:17, 11:21, 12:5, 12:9, 12:17, 15:5, 17:19, 17:22, 32:11, 112:8</p> <p>website 27:1, 28:2</p> <p>websites 26:7, 26:10, 26:12, 28:11</p> <p>webster 1:22, 134:7, 134:30</p> <p>week 37:3, 37:4, 37:8</p> <p>weeks 37:9</p> <p>werber 2:13, 3:9, 4:19, 12:11,</p>	<p>12:20, 16:3, 16:13, 16:17, 18:13, 19:17, 20:4, 20:20, 21:5, 27:20, 30:20, 31:6, 36:11, 36:16, 37:21, 39:1, 39:11, 40:7, 41:8, 42:8, 43:6, 45:6, 46:6, 46:20, 47:22, 49:5, 51:1, 51:4, 51:7, 51:9, 52:1, 52:9, 52:22, 55:7, 56:7, 59:2, 59:16, 60:15, 62:5, 62:15, 64:7, 69:14, 70:1, 70:20, 71:12, 76:5, 77:13, 78:15, 79:13, 79:16, 80:15, 84:2, 87:14, 88:10, 89:5, 91:6, 91:19, 92:6, 93:19, 94:16, 95:6, 96:5, 97:15, 98:12, 105:6, 107:9, 107:12, 112:3, 112:8, 132:1, 132:5, 132:9, 133:11</p> <p>west 2:15</p> <p>whatever 61:5, 81:10</p> <p>wheat 72:11</p> <p>wherein 87:7</p> <p>whether 29:11, 49:11, 51:14, 52:13,</p>	<p>59:8, 63:7, 70:13, 72:8, 73:16, 88:1, 101:22, 102:1, 111:11, 120:18, 121:12, 122:12</p> <p>whole 5:4, 5:11, 21:8, 22:18, 41:14, 53:2, 60:10, 84:9, 98:10, 102:18, 102:20, 105:19, 106:2</p> <p>willard 2:6</p> <p>willing 71:2</p> <p>window 100:12, 100:14</p> <p>windows 23:2, 23:5, 24:3, 24:4</p> <p>within 15:15, 54:10, 55:1, 62:20, 69:12, 70:10, 123:14, 132:12</p> <p>without 49:19, 70:5, 72:12, 75:3, 129:6</p> <p>witness 3:3, 4:5, 4:7, 5:5, 5:9, 5:15, 16:14, 16:16, 23:13, 48:9, 48:16, 78:16, 81:7, 81:14, 107:11, 125:12, 125:14, 132:7, 133:9, 133:14</p> <p>word 104:10</p> <p>word-for-word 18:7</p> <p>wording 64:15</p>
---	---	---	---

<p>words 34:9, 41:10, 45:11, 90:13, 121:21, 132:18 wordsmithing 15:22, 17:10, 36:5 work 6:9, 16:2, 16:15, 43:21, 64:12, 70:14 worked 16:7, 23:22, 24:1, 25:3, 25:4, 25:8 working 11:6, 22:9, 25:1, 28:10 world 61:12, 122:15 wouldn't 16:10, 31:8, 36:21, 57:8, 57:19, 60:16, 65:3, 78:5, 80:6, 82:21, 119:6 write 15:20 writing 18:4 written 42:22, 43:1, 91:14, 96:21, 97:9, 123:20, 124:20 wrong 35:16, 35:19, 42:2, 47:17, 51:10, 92:18 wrote 13:3, 17:9</p> <hr/> <p style="text-align: center;">Y</p> <hr/> <p>yeah 12:21, 16:16, 16:20, 22:2, 22:15, 22:20,</p>	<p>27:4, 27:21, 28:4, 29:2, 44:10, 44:16, 44:21, 46:4, 46:13, 48:13, 53:20, 58:19, 60:16, 63:11, 67:4, 81:11, 86:15, 88:17, 103:17, 103:19, 107:4, 108:5, 108:17, 110:21, 111:5, 111:7, 115:18, 117:19, 126:15, 128:18, 129:5, 132:1 year 11:9 yep 34:6, 79:17, 130:6 you-all 30:1 young 28:6 yourself 15:20</p> <hr/> <p style="text-align: center;">Z</p> <hr/> <p>zoom 9:3, 9:16, 28:21, 31:13, 112:17, 134:23 zoomed-in 111:2</p> <hr/> <p style="text-align: center;">.</p> <hr/> <p>.0889 2:9 .4458 2:17</p> <hr/> <p style="text-align: center;">0</p> <hr/> <p>01413 1:13, 10:12, 10:15, 11:6, 11:13 03 112:4</p>	<p>05 81:17, 129:16 08 1:18, 134:25</p> <hr/> <p style="text-align: center;">1</p> <hr/> <p>1 97:22, 112:4, 112:5 10 1:18, 13:20, 20:13, 20:14, 23:16, 23:17, 25:19, 31:21, 32:17, 48:19, 81:13, 126:16, 129:17, 134:25 10, 621, 228 1:14, 10:16, 10:21, 31:16 1001 3:18, 31:15, 31:20, 33:21, 34:17, 34:20, 38:6, 54:15, 108:17 1004 3:21, 19:11, 98:22, 99:8, 99:11, 99:18, 112:11 1005 3:20, 73:21, 74:3, 74:9, 101:15 1030 3:19, 32:8, 32:16, 33:3 11 26:5, 48:19, 48:20, 74:4, 81:13 116 130:3, 130:5, 130:6, 130:10 12 81:17, 81:18, 86:8, 86:15,</p>	<p>98:1, 99:12, 100:16, 103:10, 103:15, 103:21, 104:14, 104:17, 104:20, 105:2, 105:18 123 117:13 1251 7:20 13 3:17, 30:18, 81:18, 86:8, 86:15 132 3:9 134 1:21, 81:21, 82:1, 82:2, 82:4, 82:5, 82:10, 82:14, 82:17, 85:1 137 94:10 138 84:16 139 82:17, 85:1 14 30:7, 30:19, 87:7 1400 53:14 141 73:18, 74:15, 74:20, 75:8, 76:19, 76:20, 78:10, 79:15, 79:16, 80:9, 80:22 142 76:16, 76:19, 76:21, 77:3, 80:10, 81:1 1443 33:19, 34:15, 67:17, 68:2, 69:4, 69:9</p>
--	--	--	---

<p>157,214 30:18 16 48:20, 131:16, 133:18, 134:25 1635 110:2, 110:5, 110:9, 111:4, 111:8, 111:15 17 6:5, 13:20 178 14:17 18 1:18, 4:2, 6:5, 37:11, 37:14, 87:5, 87:6, 130:21, 130:22, 131:4, 134:24 193,426 30:7, 30:19</p> <hr/> <p style="text-align: center;">2</p> <hr/> <p>2 129:16, 129:17, 133:18, 134:25 20 26:5 2001 26:3 2002 25:20, 26:2, 26:3 2011 13:8, 26:5, 28:10, 29:7, 29:12 2014 29:12, 29:15, 30:5 2021 1:13, 10:12, 10:15, 11:6, 11:13 2022 1:18, 4:2, 26:6, 134:24 2023 134:32</p>	<p>2038 3:17, 13:16, 13:19, 14:13, 15:1, 34:3 20815 2:8 228 10:19, 10:20, 11:4, 13:6, 29:6, 29:18, 30:11, 30:17, 32:6, 33:12, 34:8, 34:20, 34:22, 38:5, 38:20, 39:10, 41:3, 41:6, 42:4, 45:3, 46:1, 46:17, 46:19, 50:21, 53:19, 54:2, 54:15, 55:6, 55:21, 56:3, 59:14, 61:6, 61:7, 61:10, 61:14, 61:22, 62:4, 62:12, 64:6, 65:15, 67:15, 71:8, 73:2, 80:6, 108:17, 108:22, 109:19, 110:18, 111:14 24 110:18, 110:20 25 20:13 26 20:14 27 125:21, 126:3, 126:7, 126:10, 126:12, 126:15, 126:18, 127:2, 127:8, 127:12, 127:16, 128:7, 128:22, 129:19, 129:20 28 29:12, 29:15,</p>	<p>30:5, 33:6</p> <hr/> <p style="text-align: center;">3</p> <hr/> <p>3 90:4 30 15:13, 81:8 31 3:18, 23:16 312.977 2:17 32 3:19, 18:17, 18:19, 19:6, 20:16, 38:8, 53:9, 53:18, 54:2, 54:16, 54:17, 58:14, 58:21 324 112:12, 112:13, 112:15, 113:1 33 65:16, 65:18 335 114:8 34 23:17, 33:22, 34:17, 65:16, 65:18, 82:3, 82:6, 109:10, 109:17, 109:20, 109:21, 110:1, 110:5, 110:9, 111:8, 111:15, 112:5 35 33:22, 34:18, 38:8, 54:16, 54:18, 112:15, 113:6, 113:9, 113:12, 113:17, 113:20, 114:1, 118:5, 118:7, 118:10, 120:4, 120:8, 120:14, 120:17, 120:20, 121:4, 121:17,</p>	<p>121:20, 122:2, 122:7, 123:3, 123:5, 123:9, 123:10 38 33:7</p> <hr/> <p style="text-align: center;">4</p> <hr/> <p>4-0 116:1 40 15:13, 66:1, 114:16, 114:18, 114:20, 115:19, 116:1, 116:4, 116:13, 118:6, 118:7, 118:10, 120:5, 120:9, 120:14, 120:17, 120:20, 123:15, 123:16, 123:21, 123:22, 124:3, 124:4 41 50:18, 50:20, 51:15, 51:16, 51:18, 51:21, 52:6, 52:17, 52:21, 67:16, 79:1, 79:14, 97:22, 98:1, 115:12, 115:15, 115:21, 124:10, 124:12, 124:15, 124:21 413 74:22, 77:1, 77:5, 78:12, 79:3, 79:9 414 75:1, 78:13, 78:18, 79:5, 79:11 42 69:6 43 30:4, 33:22, 34:17, 34:22,</p>
--	---	---	--

<p>35:3, 99:12 44 28:15, 28:17, 29:3, 29:4, 29:9, 29:16 4445 2:6 45 31:21 459544 1:20 46 32:17, 75:2, 79:5</p> <hr/> <p style="text-align: center;">5</p> <hr/> <p>50 66:2, 66:4 52 110:19, 110:20, 111:1 53 74:4 54 110:19, 110:20, 111:1 56 127:5 58 75:3, 80:11 59 75:3, 80:11, 86:9, 94:12, 94:13</p> <hr/> <p style="text-align: center;">6</p> <hr/> <p>600 2:7 60532 109:5 60602 2:16 61 66:12, 83:19 6266 1:22, 134:30 640 112:18</p>	<p>650.999 2:9 66 98:9 680 113:4</p> <hr/> <p style="text-align: center;">7</p> <hr/> <p>70 2:15 73 14:16, 44:7, 44:11, 44:12, 45:22, 67:1, 132:14 74 3:20, 14:17, 67:5, 132:15 75 67:10, 132:15 750 15:6 76 34:4, 34:7, 35:21, 50:14, 51:3, 51:4, 67:14, 68:2, 69:3, 69:10, 69:22, 71:1 761 120:21 77 67:2 79 53:7, 53:12</p> <hr/> <p style="text-align: center;">9</p> <hr/> <p>90 44:13, 45:22, 46:3 99 3:21 9th 13:8, 29:6, 29:11</p>	
--	---	--