DealerSocket, Inc. vs. AutoAlert, LLC

Deposition of JAIME CARBONELL, PH.D. February 05, 2015

		Media Included
Exhibits	Transcript	Word Index



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UNITED STATES PATENT AND TRADEMARK OFFICE 1 2 BEFORE THE PATENT TRIAL AND APPEAL BOARD 3 _ _ _ _ _ 4 DEALERSOCKET, INC., 5))) Case CBM2014-00139 Petitioner, 6) Case CBM2014-00132 7 vs.)) U.S. Patent No. AUTOALERT, LLC,) 8,396,791 8) 9 Patent Owner.) 10 _ _ _ _ _ 11 DEPOSITION OF JAIME G. CARBONELL, Ph.D., 12 THURSDAY, FEBRUARY 5, 2015, 9:09 A.M. 13 14 RIVERS CLUB 15 ONE OXFORD CENTRE 16 301 GRANT STREET, SUITE 411 17 PITTSBURGH, PENNSYLVANIA 18 19 20 21 22 23 Reported By: Marjorie Peters 24 RMR, CRR 25 Job No. 10014388

Jaime Carbonell, Ph.D.

1	DEPOSITION OF JAIME G. CARBONELL, Ph.D.,
2	a witness herein, called by the Plaintiff for
3	examination, taken pursuant to the Federal Rules of Civil
4	Procedure, by and before Marjorie Peters, a Registered
5	Merit Reporter, Certified Realtime Reporter and Notary
6	Public in and for the Commonwealth of Pennsylvania, at
7	the Rivers Club, Oxford Centre, 301 Grant Street, Suite
8	411, Pittsburgh, Pennsylvania, on Thursday, February 5,
9	2015, 9:09 a.m.
10	
11	COUNSEL PRESENT:
12	For the Plaintiff:
13	MASCHOFF BRENNAN BY: L. REX SEARS, ESQ.
14	201 S. Main Street, #600 Salt Lake City, UT 84111
15	
16	
17	For the Defendant:
18	KNOBBE MARTENS BY: DANIEL FULLERTON, ESQ.
19	2040 Main Street, 14th Floor Irvine, CA 92614
20	
21	
22	
23	
24	
25	

Jaime Carbonell, Ph.D.

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7	EXHIBITS	
8	(All exhibits were previously marked and are not	
9	attached by agreement of counsel.	
10	Exhibits are listed here for reference purposes.)	
11		
12	Exhibit 2004, 132 case, Declaration	5
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1	PROCEEDINGS
2	JAIME G. CARBONELL, Ph.D.,
3	a witness herein, having been first duly sworn, was
4	examined and testified as follows:
5	EXAMINATION
б	BY MR. SEARS:
7	Q. Good morning, Dr. Carbonell. We met just this
8	morning. My name is Rex Sears, and I'm an attorney
9	representing DealerSocket in various administrative
10	proceedings and also a civil case against AutoAlert.
11	Do you understand that?
12	A. Yes.
13	Q. All right. With regard to the oath that was
14	just administered, do you understand that it is the same
15	oath and carries with it the same force and effect as if
16	you were testifying in a court of law?
17	A. Yes.
18	Q. Is there any impediment to your giving your
19	fullest, most complete and most accurate testimony today?
20	A. No, there isn't. As I mentioned earlier, I
21	got over a cold, so it's possible that my voice, as we go
22	on, may not function as well as it's functioning now.
23	Q. All right. But the content will be just fine.
24	A. Absolutely.
25	Q. You're not on any medications or anything?

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1	A. No.
2	Q. All right. You're not under the influence of
3	any other substance?
4	A. No.
5	Q. Okay. What's your current position?
6	A. At Carnegie Mellon University, I have two
7	titles, one is the director of the Language Technologies
8	Institute, that's the administrative title, and the
9	academic title, I'm the Allen Newell Chair Professor of
10	Computer Science.
11	(Previously marked Exhibit 2004 (132) was produced.)
12	BY MR. SEARS:
13	Q. Dr. Carbonell, I'm handing you a document that
14	has been previously been marked as Exhibit 2004 in case
15	CBM 2014-0013 titled Declaration of Dr. Jaime G.
16	Carbonell, in support of AutoAlert LLC's patent owner's
17	response.
18	I'll ask you to take a moment to look through
19	that document, and let me know when you've had a chance
20	to do that.
21	A. Yes. I've had a chance to glance through it.
22	Q. All right. Is this document, Exhibit 2004 in
23	the 132 case, is this a document that you're familiar
24	with?
25	A. Yes.

Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 Do you recognize this as a declaration that 0. you prepared to be submitted on AutoAlert's behalf in 2 that case? 3 4 Yes, it is. Α. MR. SEARS: All right. And counsel, just 5 6 to memorialize an agreement that I think we had 7 beforehand, it's my understanding that the proceeding 8 today, instead of doing two separate depositions, we're 9 going to be doing a single deposition that can be used 10 both in Case No. CBM 2014-00132 as well as Case No. CBM 11 2014-00139. Is that your understanding as well? 12 MR. FULLERTON: Yes. That's my 13 understanding. 14 MR. SEARS: All right. Thank you. 15 BY MR. SEARS: 16 So, Dr. Carbonell, returning back to this Q. Exhibit 2004 in the 132 case, is the information in 17 18 Paragraphs 2 through 10 accurate? 19 Yes, it is. Α. 20 Q. Paragraph 4 references an Exhibit A. Just to save a few trees, I did not bring a copy of that with me 21 22 Is it your understanding that the information set today. 23 forth in Paragraphs 2 through 10 as well as the 24 information in your CV and that was provided to be 25 submitted with this declaration accurately sets forth all

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1	of the training and qualifications that you have that
2	qualify you to render opinions stated in this Exhibit
3	2004?
4	A. Yes. As of the date of my curriculum vitae.
5	Q. Okay.
6	A. Which was probably a few months ago; two,
7	three months ago.
8	(Previously marked Exhibit 2004 (139) was produced.)
9	BY MR. SEARS:
10	Q. Okay. Let me hand you a document also marked
11	as Exhibit 2004, but this one in the 139 case. First,
12	let me ask you to take a minute to look at the case, No.
13	139, Exhibit 2004, is that a document that you're
14	familiar with?
15	A. Yes, it is.
16	Q. Is it a Declaration that you prepared to be
17	submitted on behalf of AutoAlert in the 139 case,
18	relating to the 791 patent?
19	A. That's correct.
20	Q. All right. It looks like Paragraphs 2 through
21	10 of Exhibit 2004 in 139 case are the same as Paragraphs
22	2 through 10 of Exhibit 2004 in the 132 case; is that
23	correct?
24	A. They are meant to be the same.
25	Q. All right. It was a single CV that was

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1	submitted in connection with both declarations?
2	A. Yeah. It wasn't two copies of the same one,
3	yes.
4	Q. All right. Great. So, setting aside for a
5	moment the Exhibit 2004 from the 139 case, we'll come
6	back and talk about that in a minute, but let's start off
7	talking about Exhibit 2004 in the 132 case.
8	Looking at Paragraph 10 in that exhibit, that
9	is Exhibit 2004 in the 132 case, starting on the top of
10	page three, in connection with Carnegie Group 3, there's
11	a reference to financial data mining. Can you explain
12	what that is or was.
13	A. Do you want me to explain what Carnegie Group
14	is or what the specific financial data mining?
15	Q. Thank you for clarifying. The financial data
16	mining.
17	A. So, the financial data mining includes
18	consumer finance primarily, in other words loans and
19	credit cards. The purpose of the data mining was to
20	determine credit worthiness, and it was to determine
21	which financial instrument might be more beneficial for
22	the client.
23	Q. The client being Carnegie Group, or the
24	customer or the consumer, excuse me.
25	A. The consumer.

	Jaime Carbonell,	Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Q.	All right. Then with respect to Citicorp,
2	there's and	other reference to financial data mining; do
3	you see tha	at?
4	Α.	Yes.
5	Q.	Can you explain what that financial data
6	mining was	?
7	Α.	There was more than one type.
8	Q.	Okay.
9	Α.	Do you want me to mention each type?
10	Q.	Please.
11	Α.	Okay. So, my role there was as a technology
12	consultant	for Citicorp over a period of years. It
13	included se	everal technologies, one of which or maybe a
14	primary one	e of which was the financial data mining.
15		Within there, it included the consumer bank,
16	and the	at that time they called it the corporate
17	bank. The	names have, I think, evolved. That's not what
18	they're ca	lled now. Within the consumer one bank, it was
19	methods of	determining who would be good customers for
20	the credit	card division in order to expand the reach of
21	the credit	card division, which customers to go after;
22	depending of	on their credit worthiness, depending on their
23	financial 1	history, depending on their assets, depending
24	on their po	oint of life, for example, transitioning
25	between st	udent and professional.

Citibank was interested in capturing as much of that transition as possible. Where they may not have had a high income as a student, but they were about to have high income, they wanted to be the first ones. So, a lot of that data mining was how to better reach out to consumers.

7 In the corporate side, it involved issues of comparing interest rates, maturities of different loans 8 for different markets, including the middle market, that 9 10 being -- I guess you would call it middle size 11 corporations, to see which combination of loans would be 12 more beneficial. It also included the analysis of short 13 term investments versus loans as the cash flow would 14 evolve over time.

15 Companies have cash positive times and cash 16 negative times depending upon what payroll must be 17 reached or large purchases versus when the bulk of --18 depending on the business, for example, consumer 19 purchases like around Christmas would come and that's 20 when there would be a surplus of cash and other times 21 there would be a dearth of cash. And so, the cash 22 management part, and the degree to which it was 23 beneficial for the companies to take out financial 24 instruments like loans for what period of time, and a 25 process called tiling that it can -- you probably don't

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1	want to hear about it, but I could go into more detail.
2	Q. Is that tiling or titling?
3	A. No, tiling like ceramic tiles, but financial
4	dots instead of ceramic.
5	Q. A little bit further down, fourth line,
6	connecting with peak strategy; again, there's a reference
7	to financial data mining. Could you describe that?
8	A. Yes. It was extracting financial information
9	from text and other less conventional sources in order to
10	assess the financial status of companies or individuals
11	including high net worth individuals.
12	Q. What kind of text?
13	A. For example, the files, the SEC filings from
14	corporations and for individuals, there was less less
15	that could be done there. It had more to do with the
16	declarations that they would give when taking out some
17	large loan.
18	Q. Do you think the work you did for Carnegie
19	Group, Citicorp and Peak Strategy helps to qualify you
20	for the work that you're doing on behalf of AutoAlert?
21	MR. FULLERTON: Object to form.
22	THE WITNESS: To answer your question
23	literally helps to qualify me, yes.
24	BY MR. SEARS:
25	Q. All right. And how so?

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1	A. Because it gives me direct experience to
2	supplement my academic knowledge of data mining and
3	financial instruments, direct experience in the corporate
4	world, including the consumer world in the first two of
5	these three regarding the different financial
6	instruments, and the decisions as to whether something
7	some financial choice is favorable to the customers or to
8	the lending agency.
9	Q. That's because to your understanding, the
10	AutoAlert patents, including the 461 and the 791 patents,
11	relate to financial instruments and financial choices?
12	MR. FULLERTON: Object to form.
13	THE WITNESS: Essentially, yes.
14	BY MR. SEARS:
15	Q. All right. In fact, to your understanding, do
16	the 461 and 791 patents relate to the financial data
17	mining?
18	A. They certainly do, and in the context of
19	automobile or rather than some other types of loans.
20	Q. To your understanding, the methods described
21	by the 461 and 791 patents, do they constitute a
22	financial product or service?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: They constitute in my opinion
25	primarily a sales device based on financial product or

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service and financial analysis. 1 2 BY MR. SEARS: Looking at Paragraph 15 of this Exhibit 2004 3 Q. from the 132 case --4 5 Could you repeat the paragraph. Α. Sure. Paragraph 15 on page four. This -- oh, 6 0. 7 sorry. Are you there? 8 Α. Yes. I was just checking whether it went to the next page. 9 10 So, that paragraph ends with a reference to Q. 11 familiarity with automobile financing; do you see that? 12 Α. Yes. 13 All right. What degree of familiarity do you Q. 14 think a person of ordinary skill in the art would have 15 had with automobile financing? 16 Α. In my opinion they would need to understand how the financing for automobiles works; in particular, 17 18 that there's more than one form, the primary form being a 19 loan with monthly payments, that comprise both principal 20 and interest. It would help if they were also familiar 21 with leasing as an alternative to the standard financing, 22 and it would help if they knew how to compute the cost, 23 the monthly cost of the financing based on the term and the face value of the loan. 2.4 25 0. All right. So, with regard to the different

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1	forms of financing, one being a loan with monthly
2	principal and interest payments and another being
3	leasing, would a person of skill have to know more than
4	that, that there are those two types of financing
5	available?
6	A. So, first of all, to clarify the previous one,
7	I did not mean that those were the only types. I use
8	those as examples. There's balloon payment loans and
9	other forms as well.
10	To answer your question, yes, that, coupled
11	with understanding of the computer science to be able to
12	understand an algorithm for calculating the amount would
13	be, in my opinion, the level of understanding of
14	automobile financing that would be required.
15	Q. Exactly which forms of financing does a person
16	of skill need to be familiar with? Does the person need
17	to be familiar with the three that you mentioned; that
18	is, loans, leasing and balloon payments, or just some
19	sub-set of those, or those plus others?
20	MR. FULLERTON: Objection to form.
21	THE WITNESS: In my opinion, the person
22	would have to be familiar with at least one of them that
23	involved both interest and principal repayment, and from
24	that, they can easily pick up the other variants.
25	BY MR. SEARS:

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1	Q. What type of familiarity is required with one
2	of those financing arrangements, just knowing the
3	algorithm for calculating the payments?
4	MR. FULLERTON: Objection to form.
5	THE WITNESS: Yes.
6	BY MR. SEARS:
7	Q. Okay. That algorithm, performing that
8	algorithm does not require performing it on a computer;
9	is that correct?
10	MR. FULLERTON: Objection to form.
11	THE WITNESS: Every single algorithm that
12	one could imagine could be computed in different ways.
13	It could be computed mentally, it could be computed by a
14	computer; however, in order to perform the method
15	accurately and sufficient number of times as well,
16	we're not discussing the patent yet the specific
17	number of times that would be required to analyze
18	different financing instruments in real-time, that would
19	require a computer.
20	BY MR. SEARS:
21	Q. All right. But just looking at a person of
22	ordinary skill in the art and what level of familiarity
23	with automobile financing is required, the person of
24	ordinary skill in the art, and again, just focusing on
25	the familiarity with automobile financing, the

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[
1	familiarity with automobile financing need not extend to
2	how to program a computer to perform the calculation
3	algorithm, correct?
4	A. I do not agree with that.
5	Q. Okay. So, is your opinion that a person of
6	skill in the art, their familiarity with automobile
7	financing has to include knowledge of how to program a
8	computer to calculate payment amount?
9	A. If they have the short answer is yes. If
10	they have the computer science background, and if they
11	understand how these loans and repayment amounts, then
12	they would have all of the ingredients they need to know
13	how to program the computer to make that calculation.
14	Q. Okay. All right. So, the person of skill,
15	provided that person has at least a bachelor's degree in
16	computer science and computer engineering, in management
17	information sorry, or management information systems
18	or a related discipline, and also knows the algorithm for
19	calculating a payment amount, then that person will
20	thereby understand how to program a computer to perform
21	the algorithm.
22	Have I correctly stated your opinion in that
23	regard?
24	MR. FULLERTON: Objection to form.
25	THE WITNESS: Essentially, yes.

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1	BY MR. SEARS:
2	Q. What sources are there for the algorithm for
3	calculating sorry, algorithms for calculating payment
4	amounts; do you know?
5	MR. FULLERTON: Objection.
6	BY MR. SEARS:
7	Q. That is to say
8	MR. FULLERTON: Sorry.
9	BY MR. SEARS:
10	Q. If I don't know those algorithms, is there a
11	source I can go to to learn those algorithms?
12	MR. FULLERTON: Objection to form.
13	THE WITNESS: Yes. There are published
14	sources that would give them to you. You can use an
15	amortization table. The amortization tables do with the
16	length of the loan and the face amount and interest rate,
17	and then they tell you actually, they don't have the
18	face amount the length of the loan and the interest
19	rate, and then you multiply that by the face amount and
20	you get the payment amount for it.
21	BY MR. SEARS:
22	Q. All right.
23	A. Accounting books, and for example, the rule
24	continues, you can search for it in the web and find it
25	easily.

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1	Q. So, again, with reference to Paragraph 15 of
2	your declaration, someone who has the requisite education
3	and experience in dealing with computers could acquire
4	the necessary familiarity with automobile financing just
5	by looking in an accounting text or searching the
6	internet to find algorithms to perform for calculating
7	payment amounts or just using an amortization table,
8	correct.
9	MR. FULLERTON: Objection to form.
10	THE WITNESS: I need to add a couple of
11	caveats to answer that in the positive.
12	BY MR. SEARS:
13	Q. Sure.
14	A. First of all, they need to know what are the
15	right questions to ask. They need to know that
16	amortization table is the right keywords to issue to a
17	search engine in order to find them, or they need to look
18	on the index of the accounting book for that, and they
19	also need to have the programming skills to take these
20	methods, produce the computer code that actually does the
21	calculation and outputs. With those caveats, the answer
22	to your question is yes.
23	Q. All right. All right. Let's turn to
24	Paragraph 23 of your declaration. Exhibit 2004 in the
25	132 case, that Paragraph 23 is on page eight.

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, L		
1	So, the		
2	A. Would you permit me to read the paragraph.		
3	Q. Oh, certainly. Sorry. Yes. Please read that		
4	paragraph, and let me know when you've had a chance to do		
5	that.		
6	A. Thank you.		
7	Q. So, the second sentence of this paragraph		
8	begins, "The 461 patent specification and claims apply		
9	the term 'realtime,'" in quotes, "to a number of		
10	different processes."		
11	Do you see that?		
12	A. Yes.		
13	Q. All right. Can you please identify every		
14	process to which the 461 patent specification and claims		
15	apply the term realtime?		
16	A. From memory I can identify two, and I would		
17	need to look at a patent specification to determine		
18	whether there are more of them or not. One of them is		
19	the external process would be a person or a potential		
20	client in the who has arrived at and identified		
21	himself or herself in the dealer showroom, and the		
22	realtime means making the necessary computations to		
23	determine if there is a good sales opportunity; in other		
24	words, a different vehicle that may be beneficial for the		
25	person to purchase trade in the current vehicle.		

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1	And the real-time means that while that person
2	is there, before they leave, the computation is made and
3	delivered to the salesperson or to another representative
4	who then conveys it to the salesperson. A second would
5	be real-time in terms of retrieving the information from
6	external sources.
7	For example, financial sources about the
8	current rates, that would be available rates for
9	different customers. It could be the same rate for
10	everyone. It could depend on their credit worthiness.
11	It could depend on the loan amount, and it could depend
12	on the vehicle type and so forth.
13	So there's a lot of information that needs to
14	be retrieved in order to perform the subsequent
15	computations.
16	Q. All right. So, the first process to which the
17	term real-time is applied in the 461 patent is a customer
18	arriving in a showroom, and computation and result
19	delivery being accomplished before the person leaves the
20	showroom; did I get that right?
21	MR. FULLERTON: Objection to form.
22	THE WITNESS: Yes. That's essentially
23	right.
24	BY MR. SEARS:
25	Q. All right. Then I wasn't sure I caught the

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1	full extent of the second step of the process. You
2	mentioned retrieving the information from the external
3	sources. Is that the entire process, retrieving
4	information from external sources. If it helps, by the
5	way, here is the 461 patent, which is marked as DS
6	Exhibit 1001.
7	MR. FULLERTON: Objection to form.
8	THE WITNESS: Okay. So, let me describe
9	the process, and if you want for the detail, I will look
10	at the spec to remind myself.
11	In order to generate the sales
12	opportunities; in other words, to generate for those
13	people for whom there may be a vehicle a new vehicle
14	that can be purchased at a rate that may be advantageous
15	to them compared to the current rate, this is the second
16	vehicle information, and the financing associated with
17	that second vehicle information or that may be associated
18	with it, requires the system to update, to generate
19	changed information, as it were, from previous older
20	information about the different financial providers and
21	the rates, the interest rates that they're charging, and
22	the terms, whether it's one year, 48-month, 60-month,
23	36-month, whatever loan, to calculate the to then
24	calculate the monthly payments and compare those payments
25	with the current payment.

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1	In order to perform that calculation, it
2	requires the retrieval of all of this information in
3	real-time; in other words, while it's still the
4	information is still fresh so that when the calculations
5	are made, they're still valid and are delivered to the
6	salesman. It's all based on what's available now, not
7	what was available last week or last month or last year.
8	BY MR. SEARS:
9	Q. All right. So, the second process, just to
10	have a term to apply to it, would a good term be
11	real-time information retrieval?
12	A. Yes.
13	Q. Okay. Are you aware of any other processes to
14	which the 461 patent specification and claims apply the
15	term real-time?
16	A. I would need to review the specification, but
17	the calculation itself that follows the retrieval would
18	also need to be essentially in real-time.
19	Q. Do you know if the 461 patent or sorry, if
20	the 461 patent specification or claims apply the term
21	real-time to the calculation process?
22	MR. FULLERTON: Objection to form.
23	THE WITNESS: Are you asking whether they
24	explicitly apply that term, or whether
25	MR. SEARS: Yes.

1	THE WITNESS: I do not know.
2	BY MR. SEARS:
3	Q. Turning to Paragraph 27 of your declaration in
4	Exhibit 2004 in the 132 case. That Paragraph 27 is on
5	page nine. Please take a minute to read that paragraph
6	and let me know when you've done so.
7	A. Yes.
8	Q. What is your basis for the statement in the
9	last sentence of that Paragraph 27 that the alert must be
10	generated in approximately an hour or less; what is your
11	basis for that time frame?
12	A. That is meant as an example, given that I was
13	informed that this is the duration of a visit to a
14	showroom is an hour or more.
15	Q. Okay. All right. So, you were told to assume
16	that a visit to a showroom takes an hour or more?
17	MR. FULLERTON: Objection to form.
18	THE WITNESS: Yeah. That is also
19	consistent with my experience having visited automobile
20	showrooms multiple times.
21	BY MR. SEARS:
22	Q. All right. How many times have you visited
23	automobile showrooms?
24	A. Dozens.
25	Q. For what purpose?

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1	A. To purchase a car. Or to examine the cars in
2	order to see whether I wanted to purchase one.
3	Q. What do you drive?
4	A. Right now, a Camry hybrid.
5	Q. Who told you to assume that the average
6	dealership visit is an hour or more?
7	A. I don't remember.
8	Q. Was it one of the AutoAlert attorneys at
9	Knobbe Martens?
10	A. It may have been. I don't actually remember
11	where in the discussion this came up.
12	Q. With whom have you communicated about your
13	work for AutoAlert? And let's start with attorneys. I
14	assume you have communicated with attorneys at Knobbe
15	Martens relating to your work for AutoAlert; is that
16	correct?
17	MR. FULLERTON: Objection to form.
18	THE WITNESS: Yes, I have.
19	BY MR. SEARS:
20	Q. All right. Which attorneys?
21	A. David Jankowski, Dan Fullerton, Cheryl
22	Burgess, and there's at least one other attorney whose
23	name escapes me.
24	Q. Craig Summers?
25	A. It was the attorney that was present at the

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1	code review. I really don't remember his name because I
2	only encountered him on that one occasion.
3	Q. Okay. And then what how extensive
4	strike that. Let's start over.
5	What have the nature of your communications
6	been with Mr. Jankowski?
7	MR. FULLERTON: Objection. I'd like to
8	counsel the witness not to disclose any confidential
9	communications that would not otherwise be discoverable
10	under the Federal rules except to the extent the
11	communications formed the basis for one of your opinions.
12	THE WITNESS: So, the communications there
13	were on the originally on the nature of the case, and
14	understanding the business of AutoAlert, and
15	understanding the corresponding businesses of
16	DealerSocket and Dominion. Another company called
17	Dominion.
18	BY MR. SEARS:
19	Q. All right. So, your discussions with
20	Mr. Jankowski were background information?
21	A. There was some specifics to the case that I
22	think I should not be disclosing.
23	Q. Did you work with Mr. Jankowski on any of your
24	declarations either in the civil action or in the PTAB
25	proceedings?

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1	A. (Could you make the statement of work a little
2	more specif.	ic so I can answer correctly? Was it did
3	you mean ju	st some discussion, yes.
4	Q. 1	Were there drafts of your declaration
5	exchanged w	ith attorneys at Knobbe Martens?
6	A	Yes.
7	Q. 1	With whom at Knobbe Martens did you exchange
8	drafts?	
9	A. 1	With the different attorneys.
10	Q. 2	All right.
11	A. 1	When I exchanged the draft, I exchanged it
12	with the gro	oup.
13	Q. (Okay.
14	A. 3	Not just with one individual, typically.
15	Q. (Okay. That group typically included
16	Mr. Jankows	ki, Mr. Fullerton and Ms. Burgess?
17	A. 0	Correct.
18	Q. 2	As well as perhaps one other attorney?
19	Α.	I would not know of the other attorneys also
20	reviewed or	contributed or did anything else with respect
21	to these dra	afts.
22	Q.	Okay. Were you asked to make any assumptions
23	other than	the length of a typical dealership visit?
24		MR. FULLERTON: Objection to form.
25		THE WITNESS: That requires a little

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1	thinking. I was asked to make the assumption that the
2	AutoAlert product and then the accused products are used
3	by automobile dealers for different types of vehicles in
4	different geographical locations.
5	BY MR. SEARS:
6	Q. All right. Now, just to clarify that, you
7	were asked to assume that each product is used for a
8	variety of vehicles in a variety of regions, or that one
9	product is used for one group of vehicles in regional
10	locations, and the other product is used for other
11	vehicles in other locations? Do you get the
12	A. I get the distinction. It was the former.
13	Q. Okay.
14	A. And after seeing some of the information,
15	including quotes from dealers and so forth, that was all
16	consistent with that initial assumption.
17	Q. All right. Any other assumptions that you
18	recall being asked to make?
19	A. In the initial discussions, I asked about the
20	availability of all of the financial information online
21	from multiple providers, and that was essentially
22	confirmed.
23	Q. Okay.
24	A. I don't know if that counts as an assumption
25	or just a confirmation, since I asked the question as

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	opposed to them telling me to make that assumption.
2	Q. Okay. And any other assumptions you were
3	asked to make?
4	A. I asked questions about the operations of
5	automobile dealers, and I received some answers about
6	them.
7	Q. All right.
8	A. But I cannot think of any other explicit
9	assumptions I was asked to make. It is possible that I
10	was asked to make, but I'm not recalling at the moment.
11	Q. All right. What information were you provided
12	with regard to how auto dealers operate?
13	A. I was essentially told about the inventory of
14	vehicles that they keep. I was told about the incentives
15	that the manufacturers provide, although I was aware of
16	those before. I was provided additional detail. These
17	are financial incentives for certain vehicles or certain
18	periods of time.
19	And I learned a little bit more about the
20	servicing part, the dealers also provide service to the
21	automobiles after selling them.
22	Q. Anything else?
23	A. Probably was something else, but I cannot
24	right now, I don't remember anything else.
25	Q. Have you spoken with any AutoAlert employees,

Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 either present or former? 2 I believe there was one in one of the phone Α. calls in terms of explaining further of the AutoAlert 3 4 product functions. And when was that phone call? 5 0. 6 Α. That was early on in the case. 7 Q. Was that in 2013, then? I do not recall the date, and that would be a 8 Α. reasonable estimate. 9 10 All right. Would it have been before your Q. 11 first declaration submitted in support of a motion for 12 preliminary injunction? 13 Α. Yes. 14 All right. Do you recall the name of the 0. 15 AutoAlert employee? 16 Α. No. All right. Any other communications with 17 Q. 18 AutoAlert employees -- again, either former or present? 19 I do not believe so. Α. 20 Q. Have you spoken with anybody else other than Knobbe Martens attorneys and AutoAlert employees about 21 your work for AutoAlert? 22 Until you added that, I was going to answer 23 Α. yes, until you added that last part. The answer is no. 24 25 Sorry. There is -- there was one more. There was a

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1	person who participated in the code review with me. So,
2	that would be one person other than the set that you
3	mentioned.
4	Q. Which code review was that?
5	A. That was the DealerSocket code review.
6	Q. So, that was another expert?
7	A. Yes.
8	Q. So, you have not, for example, spoken with any
9	auto dealers about AutoAlert?
10	A. The way you're phrasing that question, the
11	correct answer is no, but the way you are phrasing the
12	question means that may imply that I have not spoken
13	to any other auto dealers, which I have.
14	In particular, when I was in the process of
15	purchasing my current vehicle, since this case was just
16	started, I grilled I guess grilled is exactly the
17	right word several of the auto dealers around
18	Pittsburgh, Rohrich Toyota, to the point that they were
19	wondering why I was asking so many questions about how
20	they operate. I was basically educating myself further
21	upon how auto dealerships work, but I did not mention
22	AutoAlert or DealerSocket or any aspect of the case.
23	So, that's why my answer, original answer, is
24	no, to the way you phrased the question is no.
25	Q. Right. But and I appreciate the

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1	clarification.
2	Your point is that there was you did not
3	discuss AutoAlert with the dealers, but you did interview
4	dealers in connection with your work for AutoAlert; is
5	that fair?
6	MR. FULLERTON: Objection to form.
7	THE WITNESS: Well, I was in the market for
8	a vehicle, and so I used that opportunity to instruct
9	myself better upon how the dealers work. So, I was
10	basically doing both activities at once.
11	BY MR. SEARS:
12	Q. What, if anything, did you learn from that
13	process that has been useful to you in your work for
14	AutoAlert?
15	A. Some clarifications about how the dealers
16	determine whether a potential customer is a real real
17	one or just somebody doing window shopping; how they
18	they are really are focused on financing at the instant
19	instant, that's the wrong word at the immediate
20	level. In other words, what the monthly payments would
21	be rather than focusing on the total cost of a vehicle,
22	which was instructive to me because I don't take auto
23	loans. I just buy the vehicle, but I learned that I'm
24	the exception, not the rule.
25	So, things like the AutoAlert or DealerSocket

	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	product addressed the vast majority of the market. I was
2	not really aware of that until I asked the different auto
3	dealers and so forth.
4	Q. So, the focus on monthly payments that was
5	revealed or confirmed for you in that research process
6	was the focus of potential customers?
7	MR. FULLERTON: Objection to form.
8	THE WITNESS: Yes. It was the
9	understanding that the vast majority of potential
10	customers purchased the vehicles retail customers, I
11	should say. I don't know about fleets. Retail customers
12	purchased the vehicles in that manner; so, therefore,
13	that the product is quite relevant.
14	BY MR. SEARS:
15	Q. All right. Anything else come out of that
16	process that has been useful in your work prior to
17	learning, that process being grilling the auto dealers
18	around Pittsburgh?
19	A. I learned other things about auto dealers that
20	are not directly pertinent to this process like, for
21	example, that there are some star salesmen and
22	underperformers of significant variance in the
23	performance of the actual salesmen rather than all of
24	them being comparable. That is an example of some of the
25	things I learned that do not directly pertain.

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1	MR. SEARS: Okay. All right. We have been
2	going about an hour. It's a good time, I will take a
3	break for a few minutes.
4	THE WITNESS: Okay.
5	MR. SEARS: All right.
6	(RECESS, 10:01 a.m 10:08 a.m.)
7	MR. SEARS: Back on the record.
8	BY MR. SEARS:
9	Q. Dr. Carbonell, continuing with Exhibit 2004
10	from the 132 case and looking now at Paragraph 28, it
11	goes over from page nine to page ten. Please take a
12	minute to review that and let me know when you are ready
13	to discuss it.
14	Actually, please conduct your review through
15	Paragraph 31.
16	A. Okay. Okay.
17	Q. All right. So, starting with Paragraph 28,
18	Paragraph 28 quotes in part line 1 from the 461 patent,
19	correct?
20	A. Yes.
21	Q. Then the last quoted clause in Paragraph 28
22	begins with, "In response to the configuration request."
23	Immediately following that appears the following,
24	"Retrieving in real-time changed information since past
25	changed information."

1	Do you see that?
2	A. Yes.
3	Q. What do you think that means?
4	MR. FULLERTON: Objection to form.
5	THE WITNESS: In the context of the claim
б	and the specification, it means that the information
7	relating to the vehicles, and in particular to the
8	financial terms that may be available for those vehicles,
9	changes periodically and over time. The financial
10	institutions such as banks and other lenders will offer
11	different terms over time, depending on changes in the
12	market, other factors. And so, this refers to retrieving
13	the updated or changed information.
14	BY MR. SEARS:
15	Q. What about the phrase, "Since past changed
16	information." Do you understand what that means, either
17	taking a loan or in conjunction with the bolded text,
18	"retrieving in real-time changed information."
19	MR. FULLERTON: Objection to form.
20	THE WITNESS: And in conjunction with the
21	rest of the claim in the spec, it means that the
22	basically means what I said before, that the information
23	changes periodically. The information was retrieved. It
24	changed. It was retrieved again, it would change, and it
25	will be retrieved again, and it will change and so forth.

	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	So, therefore, this is not constant
2	information or a variant information.
3	BY MR. SEARS:
4	Q. So, does this mean do you understand this
5	to mean that information is retrieved every time it
6	changes?
7	A. The claim language is silent in that
8	particular issue whether it retrieved when it changes or
9	whether it is retrieved periodically over time. The
10	specification favors the second reading periodically over
11	time, which means that new the information retrieved,
12	there's an expectation of a change or an update, but not
13	a guarantee of one.
14	Q. So, if information is retrieved periodically,
15	the information might or might not be changed
16	information, correct?
17	A. The information is new, and in each period,
18	the lenders have worked, as we pointed out earlier, with
19	the banks, which are the counter-party to the purchases
20	here. They provide new information periodically;
21	sometimes monthly, sometimes weekly, and sometimes even
22	more frequently than that, although weekly is, I believe,
23	for consumer information or consumer facing information,
24	weekly is the preferred or update cycle.
25	Q. What's your basis for that understanding that
	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
----	--
1	the update cycle is weekly?
2	A. I work with Citibank and First USA and others
3	ones, and that's what they do.
4	Q. All right. So, when information is updated,
5	is it always changed?
6	A. Some of the information is always changed.
7	Not all of the information is always changed.
8	Q. All right. Is there always different
9	information week to week; that is to say, is it the case
10	that information retrieved in one week will always be
11	different from information retrieved in a subsequent
12	week?
13	A. Some of the information will always be
14	different. For example, the period of availability of
15	the financial terms.
16	Q. What do you mean by period of availability?
17	A. From the starting point and the ending point
18	of the financial terms that are being offered will be
19	changed every week.
20	Q. So, how long the offer is open for?
21	A. And when it starts, yes.
22	Q. Maybe you could would you mind flushing
23	that out with an example for me?
24	A. So, on Monday the bank can issue or the
25	lending organization can issue let's say for starting

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1	Tuesday, for seven days the following terms are available
2	for home loan, for automobile loan, depending on the
3	credit worthiness and other conditions.
4	Q. Okay. So, if this coming Monday, February 9,
5	Citibank puts out information, and then the following
6	Monday February 16 puts out the same information relating
7	to automobile financing, they will at least be different
8	in this respect: The information given out on Monday
9	February 9 will say this is good from Tuesday, February
10	10th to Monday, February 16, whereas the information
11	given out on Monday, February 16, will specify that these
12	terms are good or these terms are available from Tuesday,
13	February 17th to Monday, February 23rd. Have I
14	accurately characterized that?
15	A. That is exactly right. There could be other
16	changed information as well, but it's at least that much.
17	Q. All right. Is that update cycle disclosed
18	anywhere in the 461 patent?
19	A. The 461 discloses a batch process that runs
20	periodically. I don't remember if it explicitly said
21	weekly, but it may have said so. I would need to check
22	and that would correspond to that update cycle.
23	Q. Does the 461 patent disclose that financial
24	institutions have a weekly update cycle?
25	A. I do not recall if it makes that explicit

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1	disclosure or not.
2	Q. All right. You do not recall any such
3	disclosure; is that correct?
4	A. In this spec of the 461, is that right.
5	Q. Right. What about in the claims of the 461?
6	A. That's also also true.
7	Q. Okay. And the spec of the 791 patent?
8	A. Again, I do not recall if it makes the
9	disclosure of the periodicity or the typical periodicity
10	of the updates of the lending institutions provided.
11	Q. And likewise for the claims of the 791 patent?
12	A. Right.
13	Q. What about the prosecution history of the 461
14	patent?
15	A. To my recollection, the prosecution history
16	did not address explicitly the periodicity of the updates
17	from the financial institutions.
18	Q. What about the prosecution history of the 791
19	patent?
20	A. That would be the same answer.
21	Q. Okay. Do you know if every financial
22	institution has the same update cycle as Citigroup?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: No. I do not know that. I
25	know that the ones I've had interactions with do, but no

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idea if that's universal. 1 2 BY MR. SEARS: 3 Looking at Paragraph 29 of your declaration, Q. Exhibit 2004 in the 132 case, that paragraph includes the 4 statement, "The term changed information is a reference 5 to the information retrieved by the computer system." 6 7 Do you see that? 8 Α. Yes. 9 All right. So, to your understanding does 0. changed information mean the same as information 10 11 retrieved by the computer system? 12 MR. FULLERTON: Objection to form. 13 THE WITNESS: In the context of the claim, 14 yes. 15 BY MR. SEARS: 16 So, in the context of the claim, changed Q. information means retrieved information? 17 18 MR. FULLERTON: Objection to form. 19 THE WITNESS: Yes. BY MR. SEARS: 20 21 All right. Let's move forward in your 0. 22 declaration, Exhibit 2004 in the 132 case to Paragraph 43. It begins on page 14. I'd like to ask you to look 23 through paragraph 43 through 45, and then also 60 through 24 67, and let me know when you are ready to discuss those 25

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1	paragraphs?
2	A. So, you want me to read all of them now to
3	prepare for discussion?
4	Q. Yes. Thank you.
5	A. Okay. Could you remind me which paragraphs in
6	the 60 range you wanted me to read?
7	Q. 60 through 67.
8	A. Okay.
9	Q. All right. So, the paragraphs that you just
10	reviewed, Paragraphs 43 through 45, and 60 through 67,
11	lay out your analysis of what it means to determine
12	whether a change retrieved information may affect
13	favorability, and related to that, why that language is
14	not indefinite, correct?
15	MR. FULLERTON: Objection to form.
16	THE WITNESS: Yes.
17	BY MR. SEARS:
18	Q. All right. So, looking now at Paragraph 43,
19	that paragraph quotes Claim 1 of the 461 patent in full,

1 1, 20 correct? 21 I believe it is in full, yes. Α. All right. Then so, if we look at page 15, 22 Q. starting with the bolded word that appears just a little 23 over halfway down the page, claim one recites, 24 25 "Determining whether the changed retrieved information

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 may affect whether it is favorable for the customer to 2 replace." And then going down to four lines up from the 3 bottom of that page, the claim also recites, "Determining 4 if the one or more new payments satisfy at least a 5 6 condition." 7 And then flipping over to the top of page 16, the second line refers to, "Determining whether the 8 9 difference is less than or equal to a preset, acceptable 10 threshold value." 11 On your analysis, all three of those 12 determinations are the same, correct? 13 MR. FULLERTON: Objection to form. THE WITNESS: Although the determinations 14 15 are based on calculating at least two numbers; one 16 corresponds to the payments on the existing vehicle, one corresponds to payments in the candidate or second 17 18 vehicle, calculate the difference, and determining the --19 the whether magnitude of that difference is less than or greater than the preset threshold value. 20 BY MR. SEARS: 21 22 All right. I just want to make sure that I Q. 23 followed that correctly. So, all three of them, all three of those 24 25 determinations, I think you said, required calculating

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC two numbers: First, a payment for a replacement vehicle, 1 then the difference between the replacement vehicle 2 3 payment and the current vehicle payment. Correct so far? Well, for --4 Α. 5 MR. FULLERTON: Objection to form. 6 THE WITNESS: For at least one replacement 7 vehicle. 8 BY MR. SEARS: 9 Then determining whether the magnitude 0. Okay. 10 of that difference exceeds a preset, acceptable threshold 11 value? 12 Α. Yes. Conversely, whether it's less than the 13 threshold value. 14 So, how, if at all, do those three 0. 15 determinations differ; that is, how does determining 16 whether changed retrieved information may affect favorability determining whether new payments satisfy a 17 18 condition and determining whether the difference is less 19 than or equal to a preset, acceptable threshold value; how, if at all, do those three determinations differ from 20 each other? 21 22 Each one provides more detail or a mechanism Α. for performing the calculation. First, it is stated more 23 generally, then more specifically based on the payments, 2.4 25 and then more specifically providing the actual

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1	calculation and the comparisons to the preset value.
2	Q. So, the third determination is a more specific
3	statement of the first two determinations?
4	MR. FULLERTON: Objection to form.
5	THE WITNESS: Yes.
6	BY MR. SEARS:
7	Q. There is no difference between the
8	determinations, correct?
9	MR. FULLERTON: Objection to form.
10	THE WITNESS: There is one underlying
11	process that it's stated first in general terms, and then
12	it provides greater specificity, and then it provides the
13	additional specificity.
14	BY MR. SEARS:
15	Q. All right. So, that goes to the specificity
16	with which the determination is stated?
17	A. Yes.
18	Q. With regard to the determination itself, not
19	how it's stated, but the determination, is it correct
20	that under your analysis, all three of those
21	determinations are the same?
22	MR. FULLERTON: Objection to form.
23	THE WITNESS: My reading of this is that
24	the determination is introduced, then the ingredients of
25	the determination are provided, and they would be the two

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1	payments, and then the calculation based on those
2	ingredients is stated.
3	So, you know, talking about the same
4	process, all three parts, but they are saying the same
5	thing about that process. Each one is providing greater
6	detail. So, I'm not sure whether that answers your
7	question or not.
8	BY MR. SEARS:
9	Q. Okay. Let's take a look at this language that
10	appears starting four lines from the bottom on page 15 of
11	your declaration.
12	As you interpret this claim, isn't it correct
13	that all of the text beginning with "determining" four
14	lines up from the bottom of page 15
15	A. Yes.
16	Q and through the word "comprises" on the
17	last line of page 15, all of that text could be
18	completely removed without changing the claim, correct?
19	MR. FULLERTON: Objection to form.
20	BY MR. SEARS:
21	Q. That is, without claiming sorry without
22	altering what the claim describes, correct?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: I would not remove it because
25	then it would be less clear what the difference is

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1	between that is being stated in the subsequent clause.
2	So, it follows calculating the difference between one or
3	more payments, and that those payments come from the
4	financial terms; otherwise, it would be less clear where
5	those payments would come from. So, I think it adds
6	clarity.
7	BY MR. SEARS:
8	Q. And what clarity does it add again?
9	A. The subsequent mentions the periodic payments
10	for the vehicles. In this case it adds that those
11	periodic payments come from the financial terms
12	associated with those vehicles.
13	Q. Isn't that information already provided by the
14	preceding clause, automatically calculating one or more
15	new payments derived from the first financial terms and
16	based on the second financial terms?
17	A. Yes.
18	Q. All right. So, again, the language that I
19	identified beginning with "determining" four lines from
20	the bottom of page 15 and ending with the word comprises
21	at the bottom of page 15, all of that could be omitted
22	from the claim on your read, correct?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: Yeah. If you are asking me
25	whether the person drafting these claims could have done

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1	without that language or that fraction of the language
2	and still had the same meaning here, to me, that is
3	correct. I still believe that it adds some clarity by
4	connecting the financial terms of the vehicle to the
5	actual difference that is being calculated.
б	I am not saying it's necessary.
7	BY MR. SEARS:
8	Q. That same clarity is provided by the preceding
9	clause referencing the calculation of one or more new
10	payments, correct?
11	A. I think this second one also opens the door to
12	there being other components to the calculation. It's
13	based at least in part on the first financial and the
14	second one, rather than assuming it's necessarily the
15	totality.
16	Q. And then looking at page 15, again, on the
17	at the clause that begins with the bolded word,
18	"determining"?
19	A. Yes.
20	Q. Could that entire four-line clause beginning
21	with "determining" and ending with "by at least" also be
22	removed on your interpretation of the claim?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: That clause is doing, in my
25	opinion, other functions such as making it clear that

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1	this is a calculation to determine whether the first
2	vehicle, which is also the existing vehicle, of the
3	customer is what is being replaced here.
4	And it also sets forth the language about
5	whether it is favorable that is then made explicit in the
б	subsequent part.
7	BY MR. SEARS:
8	Q. Does this clause also, as you put it, in
9	connection with the clause we were discussing earlier,
10	does this clause also clarify the possibility that other
11	considerations might also be factored into whether
12	replacement is favorable?
13	MR. FULLERTON: Objection to form.
14	THE WITNESS: I think as I read it, the
15	clause talks only about the financial terms, not whether
16	there could be it does not introduce additional
17	considerations that may or may not be present.
18	BY MR. SEARS:
19	Q. Does it open the door to other considerations?
20	A. I think it is silent.
21	Q. So, it's silent as to whether or not there are
22	other considerations?
23	A. If you look at that clause in isolation,
24	that's right.
25	Q. All right. If you look at it in the context

1	of the entire claim?
2	A. If you look at it in the context of the entire
3	claim, including the door being opened or at least left
4	ajar for the fact that there may be other ones, other
5	considerations beyond the current financial terms as
6	stated below, that would be consistent with that.
7	Q. So, right in the context of the claim, the
8	clause that begins with determining on page 15 of your
9	declaration does leave the door open to other
10	considerations factoring into whether replacement is
11	favorable?
12	Or, sorry, whether the favorability of
13	replacement may be affected.
14	MR. FULLERTON: Objection to form.
15	THE WITNESS: So, in my opinion, the claim
16	is focusing on the financial terms. The fact that there
17	could be other factors as well is is the door is
18	open for it, but it's somewhat orthogonal to the intent
19	of the claim. The claim is focusing on the financial
20	terms.
21	BY MR. SEARS:
22	Q. Discussing the clause that begins with
23	determining in bold on page 15, that introduces "may
24	affect whether it is favorable," that clause also serves
25	to introduce language that is then used in the second to

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1	the last clause quoted in the claim on page 16, correct?
2	A. The second to the last clause of the claim or
3	of the
4	Q. Yes. Of the claim.
5	A. Or of the subsequent limitation.
6	Q. So, I'm looking here at the part of the claim
7	that begins, "automatically generating a message"?
8	A. Okay. Yes. What I thought you were looking
9	at. That's correct. It ties the limitations together.
10	Q. So, that clause that's quoted on page 16 of
11	your declaration that begins "automatically generating a
12	message," it indicates that a message will be generated
13	if it is determined that the changed retrieved
14	information may affect favorability, and that a message
15	is not generated if it is determined that the changed
16	retrieved may not affect favorability, correct?
17	MR. FULLERTON: Objection to form.
18	THE WITNESS: That's correct.
19	BY MR. SEARS:
20	Q. All right.
21	A. Excuse me. That's correct.
22	Q. All right. Now, if we were to take looking
23	now at the immediately preceding clause, so the clause
24	that starts at the bottom of page 15 and continues over
25	to the top of page 16, the last part of that clause

1	references determining whether the difference is less
2	than or equal to a preset, acceptable threshold value."
3	Now, taking considering that language that
4	begins sorry. Let me just read in full the language
5	that I have in mine. I'd like you to focus on the
6	language, "The difference is less than or equal to a
7	preset acceptable threshold value."
8	Do you have that language in mind?
9	A. Yes.
10	Q. All right. Now, looking at the clause that
11	begins, "automatically generating a message." The phrase
12	that appears in there that begins, "the changed retrieved
13	information" I'm trying to short circuit this, but
14	that's not going to work out as well, so I'm going to be
15	a little bit more long-winded.
16	Could the phrase in the automatically
17	generating a message limitation that reads, "The changed
18	retrieved information may affect whether it is favorable
19	for the customer to replace the first vehicle and first
20	financial terms with the second vehicle and second
21	financial terms" be replaced with the language from the
22	preceding limitation, quote, "The difference is less than
23	or equal to a preset, acceptable threshold value."
24	MR. FULLERTON: Objection to form.
25	THE WITNESS: If it is properly read to

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1	mean the same difference than was calculated above, that
2	is the difference between the corresponding financial
3	terms of the first vehicle and at least one second
4	vehicle, in my opinion, yes.
5	BY MR. SEARS:
6	Q. All right. Continuing in that automatically
7	generating a message limitation, could the language, "The
8	changed retrieved information may not affect whether it
9	is favorable for the customer to replace the first
10	vehicle and first financial terms with the second vehicle
11	and second financial terms, " be replaced with "The
12	difference is not less than or equal to a preset,
13	acceptable threshold value."
14	MR. FULLERTON: Objection to form.
15	THE WITNESS: Once again, if it would read
16	that that is the same difference that was calculated
17	above, in other words, that difference is co-referential
18	to the earlier mentioned one, yes; otherwise, if it would
19	apply, there would be some new difference, then, no.
20	BY MR. SEARS:
21	Q. If those two substitutions were made in the
22	automatically generating a message limitation, then the
23	limitation quoted on page 15 that begins with the bolded
24	word determining, that entire limitation could be omitted
25	if those substitutions were made in the automatically

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	· · · ·
1	generating a message limitation, correct?
2	MR. FULLERTON: Objection to form.
3	THE WITNESS: So, first of all where does
4	that limitation start and where does it end?
5	BY MR. SEARS:
6	Q. Begins well, let me read it in full,
7	"Determining by the computer system whether the changed
8	retrieved information may affect whether it is favorable
9	for the customer to replace a first vehicle and first
10	financial terms with a second vehicle and second
11	financial terms by at least."
12	So, that limitation, I am proposing, could be
13	entirely omitted if the two substitutions that we just
14	discussed in the automatically generating a message
15	limitation were made.
16	Do you agree with that?
17	MR. FULLERTON: Objection to form.
18	THE WITNESS: Not entirely because it
19	would do away with the "at least" that, and it would
20	replace it by "only" the subsequent limitations.
21	BY MR. FULLERTON:
22	Q. So, it would not leave the door open?
23	A. Right.
24	Q. Okay. So, the only reason for having the
25	claim written the way it's actually written instead of as

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	I've suggested it could be rewritten is to leave the door
2	open to other considerations?
3	MR. FULLERTON: Objection to form.
4	THE WITNESS: So, with the caveat that I am
5	not claiming to be an expert on drafting and patent
6	claims, and so, there could possibly be some reason that
7	I am not inferring here; that's correct.
8	BY MR. FULLERTON:
9	Q. So, Dr. Carbonell, previously I handed you the
10	461 patent that. I believe you still have that in front
11	of you, correct?
12	A. Yes.
13	(Previously marked DS Exhibit 1001 was produced.)
14	BY MR. SEARS:
15	Q. I'm now handing you the 791 patent. Both of
16	them are marked DS Exhibit 1001. That's because one of
17	them was so designated in the 132 case and the other was
18	so designated in the 139 case. Now, a couple of
19	questions about the patents, the 461 and the 791 patents.
20	Does either the 461 patent or the 791 patent
21	disclose any computer hardware that was not conventional
22	as of 2002?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: Could you clarify what do you
25	mean by conventional?

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC BY MR. SEARS: 1 2 0. Yes. I'm not sure how. Give me just a 3 minute. Dose either the 461 or 791 patent disclose any 4 advance in the state of the art with regard to computer 5 6 hardware in 2002? 7 MR. FULLERTON: Same objection. 8 THE WITNESS: Did you mean whether they 9 disclose some events that was not already previously 10 disclosed? BY MR. SEARS: 11 12 Q. Yes. 13 Α. They do not. 14 Okay. Do they require -- sorry. Let me back 0. up. It will be useful for me just to be able to use 15 conventional as a shorthand? 16 17 Α. Okay. 18 So, let me give you some explanation of what I 0. 19 have in mind when I use that term. 20 So, in saying that computer hardware was 21 conventional as of a certain date, I mean that it was 22 already known and in use. Is that --23 That's fair. Α. Okay. All right. So, going back to the 24 Q. 25 ground that we just covered, is it correct that the 461

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 patent does not disclose any computer hardware that was 2 not already conventional as of 2002? MR. FULLERTON: Objection to form. 3 THE WITNESS: Okay. There's a couple of 4 embedded not in here. 5 6 BY MR. SEARS: 7 Q. Let me try it without. Let me try to weed some of those out. 8 9 Yeah. Α. 10 Does the 461 patent disclose any computer Q. 11 hardware that was not already conventional as of 2002? 12 It does not. Α. 13 Does the -- or sorry. Do the claims of the Q. 14 461 patent require any computer hardware that was not 15 already conventional as of 2002? 16 Α. So, the literal answer is no; however, they can run on computer hardware that became available after 17 18 2002. 19 With regard to the 791 patent, does the 791 Q. patent disclose any computer hardware that was not 20 21 already conventional as of 2002? 22 That would be the same answer. It does not Α. require. It can run on computer hardware that became 23 conventional since that time. So, it can make use of 24 25 computer hardware that was not conventional by your

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	definition of conventional, as of 2002. It does not
2	require it. Or disclose it.
3	Q. Okay. What about programming? Does the 461
4	patent disclose or require any computer programming that
5	was not already conventional as of 2002?
6	MR. FULLERTON: Objection to form.
7	THE WITNESS: Do you mean programming
8	skills or programming languages, or do you mean the
9	specific software implementation of the methods disclosed
10	in the patents?
11	BY MR. SEARS:
12	Q. Let me try rewording the question. Could the
13	inventions claimed by the 461 patent be implemented using
14	programming languages and techniques that were already
15	conventional as of 2002?
16	A. Yes.
17	Q. Could the inventions claimed by the 791 patent
18	be implemented using programming languages and technique
19	that were already conventional as of 2002?
20	A. Yes. In both cases they disclosed new
21	methods, but those new methods could be implemented in
22	the programming languages and techniques that were
23	already available as of 2002.
24	Q. Does the 461 patent disclose any code, any
25	software code?

1	MR. FULLERTON: Objection to form.	
2	THE WITNESS: I don't think I can answer	
3	that in the affirmative or the negative. By disclosing	
4	any software code, that could mean does it actually	
5	provide the computer code as part of the specification,	
6	and is that	
7	BY MR. SEARS:	
8	Q. Yes.	
9	A is that	
10	Q. That's the question.	
11	A. That's a good paraphrase of your question?	
12	Q. Yes.	
13	A. It does not.	
14	Q. Does the 791 patent disclose any programming	
15	code?	
16	A. Again, by disclosing programming code, if you	
17	mean does it actually provide the code as part of the	
18	specification, the answer is no.	
19	Q. All right. Does the 461 patent disclose any	
20	programming techniques?	
21	MR. FULLERTON: Objection to form.	
22	THE WITNESS: So, I have in mind what	
23	programming techniques means, and you have something in	
24	mind by that same phrase. Can we make sure it's the same	ž
25	thing?	

1	BY MR. SEARS:
2	Q. And your understanding is likely to be more
3	refined than mine. So, would you mind just explaining
4	what you have in mind by programming techniques?
5	A. So, I have in mind general methods for
6	reducing algorithms to practicing computer code. For
7	example, object oriented programming, functional
8	programming. I could go I can be more elaborate, but
9	there's probably no need. Techniques that would be
10	taught to a computer science major or would or
11	advanced, at least, that would be taught in graduate
12	school and would be used by the major programming
13	companies or practitioners.
14	If that's what you mean also, then I can
15	answer your question.
16	Q. That is what I yes, let's use that
17	definition that you've given.
18	A. So, could you it's been a little while
19	since the question.
20	Q. Sure. Right. Does the 461 patent disclose
21	any programming techniques?
22	A. Given my definition of programming techniques,
23	it does not disclose any new programming techniques.
24	Q. All right. So, it does not disclose any
25	programming techniques that would have been new as of

1	2002?
2	A. That's not I do not
3	MR. FULLERTON: Objection. Sorry.
4	THE WITNESS: I do not recall whether it
5	mentions existing programming techniques or not. It does
б	not disclose or invent new programming techniques.
7	BY MR. SEARS:
8	Q. All right. Does the same hold true of the 791
9	patent?
10	MR. FULLERTON: Objection to form.
11	THE WITNESS: Yes.
12	BY MR. SEARS:
13	Q. So, in your opinion the methods disclosed by
14	the 461 and 793 patents were new as of 2002?
15	A. Yes.
16	Q. You would agree that the inventions of the 461
17	patent consist in the application of conventional
18	hardware and conventional programming to an
19	unconventional end?
20	MR. FULLERTON: Objection to form.
21	THE WITNESS: Another as that goes, yes.
22	BY MR. SEARS:
23	Q. You would also agree that the inventions
24	claimed by the 791 patent consist in the application of
25	hardware and programming that were conventional as of

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 2002 to an unconventional end? 2 MR. FULLERTON: Same objection. 3 THE WITNESS: Yes. In both cases they 4 disclose steps and calculations and comparisons, so 5 forth. If that's what you mean by the unconventional 6 end, I agree. 7 BY MR. SEARS: 8 Q. Did you have a chance to review deposition 9 testimony given by Jeffrey Cotton? 10 MR. FULLERTON: Objection as to the scope 11 of the question. 12 BY MR. SEARS: 13 Let me replace it with a better one. Q. 14 Have you ever reviewed transcripts of 15 deposition testimony given by Jeffrey Cotton? 16 MR. FULLERTON: Objection. It's outside 17 the scope. 18 THE WITNESS: No. 19 BY MR. SEARS: 20 Are you familiar with how Mr. Cotton described Q. 21 the processes that he used prior to inventing the 22 AutoAlert system? 23 MR. FULLERTON: Objection, beyond the 24 scope. 25 THE WITNESS: I have not had these

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	discussions or other such communications with Jeffrey
2	Cotton, so I do not know.
3	BY MR. SEARS:
4	Q. All right. Has anyone ever described to you
5	what Mr. Cotton was doing before inventing the AutoAlert
6	system?
7	MR. FULLERTON: Same objection.
8	THE WITNESS: Only in a very general sense.
9	BY MR. SEARS:
10	Q. What has been explained to you with regard to
11	Mr. Cotton's pre-invention process or processes?
12	MR. FULLERTON: Objection, beyond the
13	scope.
14	THE WITNESS: Only with respect to the fact
15	that he was in the business, in the auto sales and
16	dealership business, that he believed there were sales
17	opportunities that were being missed, and that he was
18	looking to improve the process by adding automation and
19	by better seeking out the potential customers.
20	MR. SEARS: All right. Why don't we take a
21	break for a few minutes.
22	(RECESS, 11:09 a.m 11:20 a.m.)
23	MR. SEARS: Back on the record.
24	BY MR. SEARS:
25	Q. Dr. Carbonell, if I could ask you to get your

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1	declaration in the 139 case, so Exhibit 2004 in the 139
2	case relating to the 791 patent, and turn if you would to
3	page 10. Then if you could also, if we want to bounce
4	back and forth a little bit, pick up the 791 patent and
5	turn to where the claims begin on column 24.
6	A. Okay.
7	Q. So, looking at your declaration in the 139
8	case, and in particular looking at Paragraph 29 on page
9	10, there's a reference to the two steps of automatically
10	retrieving various categories of information; do you see
11	that?
12	A. Yes. It's the beginning of the paragraph.
13	Q. Yes. Now, looking at the 791 patent, do the
14	claims in fact require or recite automatically retrieving
15	information?
16	A. Speaking about Claim 1, retrieving at least a
17	portion of customer information, first financial terms of
18	that customer for the first vehicle, and first vehicle
19	information, and then the next limitation, retrieving at
20	least a portion of second vehicle information, and so
21	forth.
22	Q. All right. So, do the claims require that
23	that retrieving be done automatically?
24	MR. FULLERTON: Objection to form.
25	THE WITNESS: It says I don't know if

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	that's part of the preamble or not, and that's well,
2	the method comprising is part of the preamble. By a
3	computer system comprising computer hardware.
4	BY MR. SEARS:
5	Q. All right. Let's also try to fold into the
6	next the 461 patent. If you could also turn to column 24
7	of the 461 patent.
8	Now, if you look at Claim 1 of the 461 patent,
9	it does reference automatically retrieving information,
10	correct?
11	A. Yes, it does.
12	Q. All right. Going back now to your 139 case,
13	declaration, if you look at Paragraph 27, it references
14	the 461 patent. If you look at Paragraph 28, it
15	references the 461 patent. If you look in Paragraph 29,
16	it references automatically retrieving information, which
17	is recited in the 461 patent, but not the 791 patent.
18	Is it fair to say that Paragraphs 27 through
19	33 of your declaration in the 139 case do not in fact
20	pertain to the 791 patent?
21	A. No. I think it applies equally well to the
22	791 patent.
23	Q. Okay. Okay, let's look at what I said about
24	the paragraphs applying equally to both patents, and then
25	we can discuss them in connection with both patents.

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	· · · · ·
1	Before we do that, I would ask to you take a look at your
2	declaration in the 132 case and look at Paragraphs 68
3	through 74 of that declaration.
4	And my preliminary question for you, and take
5	the time you need to look at the document, but it appears
6	to me that Paragraphs 68 through 74 of your 132 case
7	declaration are the same as Paragraphs 27 through 33 of
8	your 139 case declaration.
9	A. That is correct. In the 139, it should have
10	mentioned the 391 instead of the 461, but the statements
11	are still correct.
12	Q. Okay. So, we can just to streamline
13	things, we can talk about Paragraphs 27 through 33 in the
14	139 case declaration, and everything said there will
15	apply equally to both patents, both the 461 and the 791
16	patent, correct?
17	A. I checked the first three paragraphs. Now,
18	you're going all the way to 33, so let me check that as
19	well.
20	Q. Sure.
21	A. Okay. So, up through 33 in the 139 and up
22	through 74 in the 132, they apply equally.
23	Q. So, given that, what we'll do is we'll just
24	talk about Paragraphs 27 through 33 in the 139 case
25	declaration understanding that what you say there applies

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 equally to Paragraphs 68 through 74 of the 132 case 2 declaration and applies equally to both patents; is that fair? 3 For this -- for this section, yes. 4 Α. Okay. So, Paragraph 29 of the 139 5 0. declaration, second sentence in that paragraph says that 6 7 some of the information is typically located in disparate 8 third party sources; do you see that? 9 Α. Yes. Do the claims require that? That is, do the 10 Q. claims of either the 461 or 791 patent require that the 11 12 information be located in disparate third party sources? 13 Α. They require retrieving the information, for 14 example, about the second vehicle financing terms 15 regardless of where they are. 16 Okay. So, the claims do not require that the Q. information be located in disparate third party sources, 17 18 correct? 19 That's typically where the information is Α. No. 20 located. The terms require finding that information, 21 retrieving that information. 22 But do the claims require that the information Q. be located in disparate third party sources? That is, 23 setting aside where the information may in fact be 24 25 located, do the claims require going to disparate third

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	party sources?
2	A. The terms require getting that information
3	regardless of where it is.
4	Q. Okay. Which may or may not be in disparate
5	third party sources or rather without regard to whether
6	they are in disparate third party sources?
7	MR. FULLERTON: Objection to form.
8	THE WITNESS: The latter, yes.
9	BY MR. SEARS:
10	Q. Looking now at Paragraph 31 of your 319 case
11	declaration, that paragraph refers to repeated retrieval
12	of the underlying information; do you see that?
13	A. Yes.
14	Q. All right. Do the claims of either of 461 or
15	791 require repeated retrieval of the underlying
16	information?
17	A. The specification provides for the periodic
18	retrieval of the information, periodic repeated or in
19	this context mean the same thing, and in order to perform
20	the calculations, you need to have the up-to-date
21	information which, if you are going to be executing or
22	practicing Claim 1, that requires the repeat.
23	Q. So, what is it in Claim 1 of the 461 patent
24	that requires repeated retrieval of information?
25	A. Both of the automatically retrieving steps,

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1	especially the second one, since the second vehicle
2	information will change over time, when second vehicles
3	are available, what the prices are, what the financing
4	terms may be, and so forth.
5	Q. So, it's your testimony that Claim 1 of the
6	461 patent, in the particular delimitation that runs from
7	column 24, line 44, to column 24, line 46, it's your
8	testimony that that limitation requires repeated
9	retrieval of the underlying information?
10	MR. FULLERTON: Objection to form.
11	THE WITNESS: It's my testimony that in
12	order to be practicing that claim, it so requires, yes.
13	BY MR. SEARS:
14	Q. Okay. So, my question is: With regard to the
15	claim, what limitation or limitations in the claim
16	require repeated retrieval of the underlying information?
17	A. As I just said, that in order to practice that
18	claim, it requires the up-to-date information, and so, if
19	the information has not been retrieved very recently, it
20	requires a repeat of the retrieval re-retrieval of
21	that information.
22	Q. How many times must information be retrieved
23	in order to practice the invention in Claim 1 of the 461
24	patent?
25	A. Sorry. I don't quite understand what you are

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1	asking.
2	Q. So, in Paragraph 31 of your declaration, you
3	reference the step of retrieving changed information?
4	A. Yes.
5	Q. And sorry. Let me back up on one thing here.
6	So, Paragraph 31 of your declaration says that
7	the step of retrieving changed information requires the
8	computer to perform a retreated retrieval.
9	So, is it the limitation that begins on column
10	24, line 49, and runs to line 55 of the 461 patent, is it
11	that limitation that requires a repeated retrieval?
12	A. It requires repeated retrieval each time the
13	configuration request is issued.
14	Q. Okay. So how many times must information be
15	retrieved in order to practice the invention of Claim 1
16	of the 461 patent; that is, what is the smallest number
17	of iterations of information retrieval required in order
18	to practice Claim 1 of the 461 patent?
19	A. Normally, this would be repeated over and
20	over, and the minimal number, I would say, two.
21	Q. Does the same hold true of every claim of the
22	461 patent; that is, is there any claim of the 461 patent
23	that requires more than two iterations of information
24	retrieval?
25	A. If you would permit me to review the claims.

	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Q. Certainly.
2	A. The claims dependent on Claim 1 of the same
3	answer applies as for Claim 1.
4	Q. All right.
5	A. Claim 7 is somewhat better formatted, but
б	no, the same also applies for Claim 7.
7	Q. All right, so
8	A. And its dependent claims.
9	Q. All right. So, none of the claims of the 461
10	patent require more than two iterations of information
11	retrieval in order to practice what is claimed which
12	those claims, correct?
13	A. Normally, the way that these would be applied
14	is that it would retrieve the information from multiple,
15	different financial providers of financial services, and
16	multiple, different vehicles or providers of vehicles of
17	their own inventory or maybe another dealer in the same
18	chain.
19	So, the normal operation, this would be
20	repeated over and over and over and over again.
21	Q. But in terms of what the claims required, the
22	bare minimum required in order to practice the claims of
23	the 461 patent, is it the case that no more than two
24	iterations of information retrieval are required to
25	practice any claim with the 461 patent?

	Jaime Carbone	II, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Α.	The claims themselves do not require more than
2	that.	
3	Q.	Okay. What about the 791 patent; do any
4	claims of	the 791 patent require more than two iterations
5	of inform	nation retrieval in order to practice what is
6	claimed t	here?
7	А.	The same answer applies.
8	Q.	All right. So, my question was do any claims
9	of the 79	1 patent require more than two iterations of
10	informati	on retrieval in order to practice what is
11	claimed.	You said the same answer applies. I think the
12	answer to	the question is no?
13		MR. FULLERTON: Objection to form.
14	BY MR. SE	ARS:
15	Q.	Is that the answer that you meant applies?
16	A.	I meant the entire answer is the same. That's
17	not a	a normal operation would be multiple retrievals
18	or some s	ignificant value of multiple, but that the claim
19	language	itself does not require more than two.
20	Q.	Thank you. Looking at Paragraph 31 of your
21	declarati	on
22	A.	Of which declaration?
23	Q.	Sorry. Thanks for asking. The 139 case
24	declarati	.on.
25	A.	Paragraph 29, you said?

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Q. 31.
2	A. Okay.
3	Q. So, four lines up from the end of this
4	paragraph, you reference financial lenders perhaps not
5	permitting manual retrieval of information.
6	Do you know if the information required for
7	practicing the inventions claimed by the 461 and 791
8	patents, was that information made available by lenders
9	before AutoAlert?
10	MR. FULLERTON: Objection to form.
11	BY MR. SEARS:
12	Q. If it helps to add a time with this date,
13	let's just say as of 2002. So, 2002 or before, did
14	lenders provide the information that is required to
15	practice the methods of the 461 and 791 patents otherwise
16	than via a computer?
17	MR. FULLERTON: Same objection.
18	THE WITNESS: So, I cannot answer for all
19	of the lenders because I do not know. The big lenders
20	provided that information electronically. That would be
21	by a computer.
22	BY MR. SEARS:
23	Q. All right. In 2002 they provided it
24	electronically?
25	A. Yes.
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1	these comparisons.
2	BY MR. SEARS:
3	Q. Paragraph 32 of your 139 case declaration
4	references the large number of mathematical calculations.
5	Do you see that?
6	A. Yes.
7	Q. All right. What is the minimum number of
8	calculations required by any of the claims of the 461
9	patent? Let me try to complicate that question a little
10	bit, but hopefully not too much.
11	Which claim of the 461 patent requires the
12	most calculations?
13	MR. FULLERTON: Objection to form.
14	THE WITNESS: I would have to see whether
15	the dependent claims add additional calculations on top
16	of the independent claims, which I am much more familiar
17	with.
18	BY MR. SEARS:
19	Q. So, why don't you take a minute to look
20	through the claims, and then also look through the claims
21	of the 791 patent. And once you've had a chance to do
22	that, the two questions will be: Which claim in each
23	patent requires the most calculations, and how many
24	calculations does that claim require?
25	MR. FULLERTON: Objection to form.

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1	THE WITNESS: I believe that dependent
2	Claim 5 and corresponding system claim, dependent claim,
3	and there's an equivalence claim on the 461, which would
4	be it's also a dependent Claim 5 in the method claims
5	section probably requires the most calculations.
6	BY MR. SEARS:
7	Q. So, with regard so, first just to make sure
8	I got your answer, dependent Claim 5 of the 461 patent
9	and dependent Claim 5 of the 791 patent are the claims in
10	those patents that require the largest number of
11	calculations; correct?
12	A. The corresponding system dependent claims.
13	Q. All right. So, with regard to Claim 5 of the
14	461 patent, what is the corresponding system claim?
15	A. Sorry. What could you repeat the question?
16	Q. Sure. With respect to Claim 5 of the 461
17	patent, what is the corresponding system claim?
18	A. I'm sorry. There isn't a directly
19	corresponding system claim. Let me rephrase that and say
20	that it would be the one that would be probably required
21	the most computation on the systems claim would be Claim
22	9, but that does not directly correspond to dependent
23	Claim 5.
24	Q. Okay. So, with regard to the method claims in
25	the 461 patent, Claim 5 requires the largest number of

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computations, correct?
A. Yes.
Q. With regard to the system claims in the 461
patent, Claim 9 requires the largest number of
computations, correct?
A. That's correct.
Q. And then with regard to the 791 patent and the
method claims in particular, Claim 5 requires the largest
number of computations, correct?
A. Yes.
Q. And with regard to the system claims in the
791 patent, Claim 7 requires the largest number of
computations, correct?
A. Yes.
Q. All right. So, with regard to the 461 patent,
and Claim 5 in particular, how many calculations does
that require? I'll warn you, my follow-up question would
be what calculations are they, so if it helps in your
answer to recite what they are, that gets us to the same
place.
MR. FULLERTON: Objection to form.
THE WITNESS: So, there are retrieval
calculations, extraction calculations, and numerical
calculations.
BY MR. SEARS:

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1	Q. All right. One moment. So, there's retrieval
2	calculations, extraction calculations, and then numeric
3	calculations?
4	A. Numeric calculations.
5	Q. All right. What are the retrieval
6	calculations required by Claim 5 of the 461 patent?
7	A. That requires retrieving the information from
8	the first vehicle. So, it's identifying the first
9	vehicle, looking up the properties of the first vehicle,
10	things like model number, day of purchase, so forth, the
11	financial terms of that vehicle, the amount of the loan,
12	the outstanding amount of the loan, the current equity in
13	the vehicle, maybe positive or negative, the monthly
14	payments in that vehicle, the interest rate and so forth,
15	and then corresponding information about the second
16	vehicle, and that would be also augmented by which
17	financial terms could be available to the customer.
18	So that retrieval would also include
19	calculations based on the credit worthiness of that
20	customer. Since the financial terms available to a
21	customer are dependent on the vehicle and dependent on
22	the length of time, depending on the what the financial
23	institution is currently offering and are dependent on
24	the credit worthiness or the financial strengths of the
25	person who is taking out the loan.

1	Q. All right. And then with regard to
2	extraction?
3	A. So, it with regard to extraction, the
4	information that comes from the bank or from the
5	financial institution typically comes bundled. It is in
6	a it can come in different ways. It can come into,
7	for example, in a comma separated or space separated VMS
8	file. Whichever way it does it, the patent does not
9	require any specific format. The information that is
10	requested must be extracted from that, and then assigned
11	to variables or parameters, and it can then be used
12	later, for example, in the configuration request and in
13	the other subsequent calculations.
14	Q. All right. Then the numeric calculations.
15	A. The numeric calculations would be for the
16	first vehicle. The numeric calculations are already
17	have already been done. It's just a retrieval for the
18	second vehicle. You would have to look at the price of
19	the vehicle, the amount of the loan, the actual amount of
20	principle and interest depending on the period of time.
21	So, you would have to use the amortization
22	table or the formulas that basically calculate that
23	amortization, multiplied by the amount of the loan, and
24	then be able to do the comparison between the residual
25	you're also doing a comparison on the equity of the

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ehicle, but the primary comparison is based on the
onthly payments of that second vehicle, typically there
ould be many second vehicles, against the monthly
ayments of the current ones, then comparing that
alculating that difference, comparing it against the
reset threshold, or if there's more than one preset
nreshold, for each one of the preset thresholds and then
nserting those the results of those numerical
alculations into the right fields in the message, if the
- if the preset threshold calculation is favorable, and
topping there if it isn't.
Q. All right. What is the you mentioned the
redit worthiness calculation. What is that? What's
redit worthiness calculation. What is that? What's ntailed in that? What's required for that?
ntailed in that? What's required for that?
ntailed in that? What's required for that? MR. FULLERTON: Objection to form.
ntailed in that? What's required for that? MR. FULLERTON: Objection to form. THE WITNESS: That would require retrieving
ntailed in that? What's required for that? MR. FULLERTON: Objection to form. THE WITNESS: That would require retrieving he credit worthiness from the credit bureaus for that
MR. FULLERTON: Objection to form. THE WITNESS: That would require retrieving he credit worthiness from the credit bureaus for that articular person, that the credit bureaus output
MR. FULLERTON: Objection to form. THE WITNESS: That would require retrieving the credit worthiness from the credit bureaus for that articular person, that the credit bureaus output ifferent kinds of information, the primary one would be
MR. FULLERTON: Objection to form. THE WITNESS: That would require retrieving the credit worthiness from the credit bureaus for that articular person, that the credit bureaus output ifferent kinds of information, the primary one would be ust a numerical rating, and that numerical ID rating
MR. FULLERTON: Objection to form. THE WITNESS: That would require retrieving the credit worthiness from the credit bureaus for that articular person, that the credit bureaus output ifferent kinds of information, the primary one would be ust a numerical rating, and that numerical ID rating then is compared to the thresholds that the financial
MR. FULLERTON: Objection to form. THE WITNESS: That would require retrieving the credit worthiness from the credit bureaus for that articular person, that the credit bureaus output ifferent kinds of information, the primary one would be ust a numerical rating, and that numerical ID rating then is compared to the thresholds that the financial institution says that this rate is open for people whose
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1	primarily rating agencies, and then actually seeing which
2	one the person actually qualifies for and going back and
3	extracting the ones that they qualify for and not
4	extracting the ones they do not qualify for.
5	BY MR. SEARS:
6	Q. You made reference to an equity comparison.
7	A. Yes.
8	MR. FULLERTON: Objection to form.
9	THE WITNESS: So, that depends on whether
10	the person has positive or negative equity in the current
11	vehicle. So that gets into account that it is taken
12	into account in the if they're selling, then, the
13	secondary vehicle, they could have negative equity, and
14	it costs them money in selling, where if they have
15	positive equity, they get that money back.
16	BY MR. SEARS:
17	Q. So, the equity positive or negative is an
18	input into the payment calculation for the second
19	vehicle, correct?
20	A. That's right. Because they have to pay more
21	if they have negative equity. They have to pay less if
22	they it's just an adjustment.
23	Q. But there's not a direct comparison to your
24	understanding made between equity and something else,
25	it's just whatever the equity is gets folded into the

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,	
1	second vehicle calculation?
2	MR. FULLERTON: Objection to form.
3	THE WITNESS: It can be done. It needs to
4	be taken into account. The easiest way is to fold it in
5	directly. There are other ways that are a little more
6	complicated that you pay off the negative equity now, and
7	simplifies the calculation going forward.
8	BY MR. SEARS:
9	Q. All right. Why did you identify Claim 5 of
10	the 461 patent as the one requiring the highest number of
11	calculations or the largest number of calculations?
12	A. Because it requires all of the calculations
13	that we just described in a plurality of possible
14	different time periods.
15	So, if we take either 24-month repayment, 36,
16	or 48 or 60 month and so forth, Claim 5 requires
17	performing those calculations for the different time
18	periods. It's a multi-duplicative affect to the number
19	of calculations.
20	Q. Could the method of the Claim 5 of the 461
21	patent be done by a human being without using a computer?
22	MR. FULLERTON: Objection to form.
23	THE WITNESS: No.
24	BY MR. SEARS:
25	Q. Why not?

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1	
1	A. It requires all of the steps in Claim 1, which
2	requires doing all of those electronic retrievals of
3	information, and it requires the computer to computer
4	communication.
5	Q. Okay. So, if we consider let's start with
6	Claim 1 of the 461 patent. Better yet, let's start with
7	Claim 1 of the 791 patent.
8	So, setting aside the "by a computer system
9	and comprising computer hardware limitation" that appears
10	at column 24 line 40, setting aside the, "in response to
11	the configuration request" that that appears at column 24
12	line 49, and setting aside the "by the computer system"
13	that appears in column 24, line 56, could what remains of
14	the method be performed by a human being without using a
15	computer?
16	MR. FULLERTON: Objection to form, and
17	relevance.
18	THE WITNESS: Okay. So, to clarify, you're
19	saying suppose that there was a hypothetical claim?
20	BY MR. SEARS:
21	Q. Yes.
22	A. That was missing at least those three
23	elements?
24	Q. Yes. And I'm sorry, I should have also added
25	the "receiving a configuration requests" that appears at

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1	line 24 sorry, column 24, lines 47 to 48. So, let me
2	again recite what we would be setting aside.
3	So, what we would be setting aside is the "by
4	a computer system comprising computer hardware" at column
5	24, line 40. We would set aside "receiving a
6	configuration request for replacing the first vehicle of
7	the customer with a different vehicle" that appears at
8	column 24, lines 47 to 48. We would set aside "in
9	response to the configuration request" that appears at
10	line 24, line 49, and we would remove "by the computer
11	system" from column 24, line 56.
12	So, yes, a hypothetical claim derived from
13	Claim 1, by making those excisions, could that method be
14	practiced by a human being without using a computer?
15	MR. FULLERTON: Objection to form and
16	relevance.
17	THE WITNESS: Okay. So, if you do not
18	receive the configuration request or the results from the
19	configuration request is unclear, how you could perform
20	the subsequent steps?
21	BY MR. SEARS:
22	Q. Why is that? What do you need from the
23	configuration request in order to perform the subsequent
24	steps?
25	A. The configuration request is what permits you

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1	to identify the vehicles; for example, the second
2	vehicles and their financial terms associated with them.
3	So, you can't excise something without substituting
4	something else for it that would enable or permit the
5	other steps to take place.
6	Q. All right. So, let's talk about the
7	configuration request. Could a person receive a
8	configuration request without using a computer?
9	MR. FULLERTON: Objection to form and
10	relevance.
11	THE WITNESS: The term configuration
12	request was created in the context of computer science to
13	mean, as I mentioned in I think earlier declarations, to
14	mean either one of two things: How different computer
15	modules would be set up to communicate with each other,
16	or a set of parameters for a computer system to operate
17	on. It's the latter one in this case, in this context.
18	BY MR. SEARS:
19	Q. Okay. So, could a human being receive a set
20	of parameters without a computer?
21	MR. FULLERTON: Objection to form and
22	relevance.
23	THE WITNESS: A human being receive a set
24	of parameters, yes.
25	BY MR. SEARS:

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1	Q.	Okay.
2	Α.	But the parameters that would need to be used
3	to retriev	ve the information is in the computer database
4	that conta	ains the information about the vehicles and the
5	financial	terms.
6	Q.	All right.
7	Α.	So the computer comes back in.
8	Q.	Where does the computer come back in?
9	Α.	To perform the retrieval or the access to the
10	vehicle in	formation and the financial information.
11	Q.	So, vehicle information and financial
12	informatio	on cannot be retrieved without a computer; is
13	that your	testimony?
14		MR. FULLERTON: Objection to form.
15		THE WITNESS: Not if it lives in the
16	database.	
17	BY MR. SE	ARS:
18	Q.	Okay. Does the vehicle information and
19	financial	information live anywhere besides a computer
20	database?	
21		MR. FULLERTON: Objection to form.
22		THE WITNESS: I don't know if it does in
23	any way t	nat would be accessible to a dealer or anybody
24	else.	
25	BY MR. SEA	ARS:

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1	Q. Did it ever so exist?
2	MR. FULLERTON: Same objection.
3	THE WITNESS: We're going back to our
4	earlier discussion, pre my engagement with the financial
5	institutions, it may have.
б	BY MR. SEARS:
7	Q. It must have?
8	A. I'm saying it may have.
9	MR. FULLERTON: Objection to form.
10	THE WITNESS: I basically have not observed
11	it directly, so I cannot state one way or the other.
12	Banks and financial institutions did operate prior to
13	computers.
14	BY MR. SEARS:
15	Q. Were cars sold prior to computers?
16	MR. FULLERTON: Objection to form.
17	THE WITNESS: Yes, they were.
18	MR. SEARS: All right. Let's go off the
19	record for a minute.
20	(Off the record.)
21	(RECESS, 12:08 p.m 1:01 p.m.)
22	MR. SEARS: Back on the record.
23	BY MR. SEARS:
24	Q. Dr. Carbonell, just for clean-up, if I could
25	ask you to go back to your Declaration in the 132 case,

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1	and looking specifically at page ten. And this is, I
2	guess, just more a reference point than anything else,
3	but is it correct that in your opinion, provided
4	information is retrieved at least weekly, it is retrieved
5	in real-time; is that your opinion?
6	MR. FULLERTON: Objection to form.
7	THE WITNESS: Retrieving in real-time means
8	retrieving in a fashion that is as fast or faster than
9	the external process and changes that information or that
10	consumes that information. So, since the if the
11	information is updated weekly, which to my knowledge it
12	is, that would be the correct reading for real-time,
13	changing it.
14	BY MR. SEARS:
15	Q. Okay. Information that is retrieved more
16	frequently than weekly is retrieved in real-time, in your
17	opinion?
18	A. Yes. Absolutely.
19	Q. Okay. So, looking at this limitation quoted
20	on page ten, "In response to the configuration request,
21	retrieving in real-time changed information since past
22	information," that is satisfied by any information
23	retrieval that is more frequent than weekly; is that
24	correct?
25	MR. FULLERTON: Objection to form.

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1	THE WITNESS: That each time that the
2	retrieval is done, it concludes well before the
3	information the information gets stale long before a
4	week. There's two aspects here; how fast the information
5	retrieval happens, and then how often it happens.
6	BY MR. SEARS:
7	Q. Okay. All right.
8	A. They both have to be in real-time. So, that
9	means that the information has to be in order to be
10	up-to-date, it has to be retrieved at least weekly, and
11	the retrieval process has to be fast, also.
12	Q. All right. How fast?
13	A. Again, at least weekly. Practice is much
14	faster than
15	Q. All right. So, provided that you have an
16	information retrieval process that takes less than a week
17	to perform, and is performed at least weekly sorry, is
18	performed more frequently than weekly, that would satisfy
19	the limitation?
20	MR. FULLERTON: Objection to form.
21	THE WITNESS: Weekly would satisfy.
22	BY MR. SEARS:
23	Q. What if it's more frequently than weekly?
24	A. That would also satisfy.
25	Q. Okay. But if information is retrieved more

1	frequently than weekly, it might not be changed, correct?
2	It might not sorry, now that I botched up the
3	question, let me just try and state it again.
4	So, if information is retrieved more
5	frequently than weekly, the information might be
6	unchanged?
7	MR. FULLERTON: Objection to form.
8	THE WITNESS: That is true. There's no
9	need to retrieve the information more frequently than its
10	update period. So, in practice you would not there
11	would be no point to retrieving unchanged information.
12	BY MR. SEARS:
13	Q. But if you do have an information retrieval
14	process well, let me ask this: The information
15	retrieval processes taught by the 461 and 791 patents, do
16	they include any distinction between changed and
17	unchanged information?
18	MR. FULLERTON: Objection to form.
19	THE WITNESS: I'd have to check the
20	corresponding claim language of the 791. If you don't
21	mind, I'll do that.
22	BY MR. SEARS:
23	Q. Sure.
24	A. No. There isn't in fact a difference in the
25	claim language, wherein the 791 says current information

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1	rather than changed information; therefore, if the
2	information has not been changed, it could still be
3	current, meaning that the latest version of the
4	information.
5	Q. So, let me ask this: To your understanding,
6	is Claim 1 of the 461 patent, does it contemplate a
7	periodic information retrieval process?
8	MR. FULLERTON: Objection to form.
9	THE WITNESS: In context of the
10	specification, yes.
11	BY MR. SEARS:
12	Q. The same for Claim 7 of the 461 patent, does
13	it contemplate a periodic information retrieval process?
14	MR. FULLERTON: Same objection.
15	THE WITNESS: The same answer.
16	BY MR. SEARS:
17	Q. Yes?
18	A. Yes.
19	Q. All right. And Claim 1 of the 791 patent,
20	does it contemplate periodic information retrieval?
21	MR. FULLERTON: Same objection.
22	THE WITNESS: By contemplate, you mean in
23	all of these cases, you mean would it normally be done in
24	a periodic retrieval. So, the answer to that is yes.
25	BY MR. SEARS:

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1	Q. All right.
2	A. It can also be done on demand.
3	Q. All right. Then what about Claim 6 of the 791
4	patent. The same question. Does it contemplate periodic
5	information retrieval, again with the gloss on
6	contemplation being provided.
7	MR. FULLERTON: Same objection.
8	THE WITNESS: It would be the same answer;
9	mainly, that the same expected normal operation it would
10	be periodic, but it could also be done on demand.
11	BY MR. SEARS:
12	Q. The periodic information retrieval processes
13	described in the specification of the 461 patent, do
14	those processes distinguish between changed and unchanged
15	information; that is, do those processes involve any
16	discrimination in the retrieval process between changed
17	and unchanged information?
18	MR. FULLERTON: Objection to form.
19	THE WITNESS: The invocation of those
20	processes would the processes themselves I would
21	have to go back and read the specification, but I do not
22	recall any difference in the process. It's also a
23	process would be invoked when there's an expectation of
24	changed information.
25	BY MR. SEARS:

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1	Q. So, the process itself is not directly
2	responsive to whether information is changed; is that
3	correct?
4	A. That's what I do not recall that it is any
5	different. I would have to know read the corresponding
6	process specification to be more definitive.
7	Q. The specification of the 461 and the 791
8	patents are the same, correct?
9	A. Yes.
10	Q. So, with regard to the specification of the
11	461 patent, and more specifically the periodic
12	information retrieval processes discussed therein, when
13	those processes are performed, they indiscriminately
14	retrieve both changed and unchanged information, correct?
15	MR. FULLERTON: Objection to form.
16	THE WITNESS: Well, it would be the same
17	answer that I've provided, that the invocation of the
18	process depends on the expectation of change, and the
19	process itself to my knowledge is the same, but I cannot
20	answer that second part definitively without re-reading
21	those sections of the specification.
22	BY MR. SEARS:
23	Q. So, does the periodic information retrieval
24	process taught in the specification sweep in both changed
25	and unchanged information?

1	MR. FULLERTON: Objection to form.
2	THE WITNESS: Sweep in. You would be able
3	to retrieve both changed and unchanged information, but I
4	cannot tell you for sure whether the process would be
5	identical in both cases.
б	BY MR. SEARS:
7	Q. Are there distinct processes taught in
8	specification for disclosing changed as opposed to
9	unchanged information?
10	A. I do not know of any. I would have to to
11	answer definitively, I would have to go back and revisit
12	those parts of the specification.
13	Q. Okay. Do you know where those parts of the
14	specification are that you would need to revisit?
15	A. No, not exactly. I would have to it's
16	mentioned in more than one place.
17	Q. Okay. All right. Over the next break, I'll
18	ask you to spend a few minutes leafing through the patent
19	and see if you are able to find the sections.
20	A. Okay.
21	Q. So, looking at Claim 5 of the 461 patent, what
22	is the minimum number of calculations that that claim
23	requires?
24	MR. FULLERTON: Objection to form.
25	THE WITNESS: I have basically described

1	the process that includes all of the calculations before,
2	and this one then has this multi-duplicative effects of
3	having to do it for different respective time periods.
4	So, we were doing it for let's say four time periods,
5	there would be four times as many as the ones for Claim
6	1.
7	BY MR. SEARS:
8	Q. What is the minimum number of time periods
9	that have to be that the calculations have to be done
10	for in order to satisfy Claim 5?
11	A. It says different respective time periods, and
12	it says, wherein one or more new payments comprise
13	payments for different so, I would read that to be at
14	least two.
15	Q. Looking at your declaration in the 139 case,
16	looking specifically at Paragraph 32 where it spills over
17	to the top of page 12, there's a reference to millions of
18	calculations every day, and
19	A. Yes.
20	Q. Does Claim 5 of the 461 patent require
21	millions of calculations?
22	A. Normally, they it would either be hundreds
23	or thousands of possible clients. There would be some
24	number of potential vehicles that could be replacement
25	vehicles, and the so-called second vehicle. There would

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1	be multiple different financial institutions offering
2	terms, and then there would be different lengths of each
3	one of those financing terms. So, when you multiply that
4	out, 1,000 times 10 times 50 times 20, you get a number
5	that's in the millions.
6	Q. Okay. What does I think you said 1,000
7	times 10 times 20 times 50?
8	A. Approximately, yes. I said supposedly you
9	have a thousand potential customers.
10	Q. All right.
11	A. Ten potential new vehicles per customer, which
12	would be either the same make or the same model or
13	comparable ones, then there would be I don't know, 20
14	possible or 50 possible financial providers, and then
15	there would be different financing terms, whether it's a
16	balloon mortgage, whether it's leasing, whether it's a
17	standard amortization type mortgage, and then for each
18	one of those there would be different time periods; 12,
19	24, 30, 36, 48, 60 months.
20	Q. Okay. So, the time periods, what do you
21	think, up to five different time periods?
22	A. That would be normal.
23	Q. Okay. And the terms, how many different kinds
24	of terms would there be?
25	MR. FULLERTON: Objection to form.

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1	THE WITNESS: Let's say three or four.
2	BY MR. SEARS:
3	Q. Okay. All right. So, if you take a thousand
4	customers times 10 new vehicles times 50 financial
5	providers, times four terms, times five time periods,
6	that's how you get up into the millions of calculations?
7	A. That's correct.
8	Q. All right. How many customers does Claim 5
9	A. Sorry. That's not just it. That's assuming
10	that there's only one calculation per set of options
11	here.
12	Actually, each one of those has multiple
13	calculations as well because that includes the retrieval
14	steps, extraction steps, the difference, the comparison
15	against the threshold and so forth. So, all of those ten
16	steps and then multiplied by the number we just
17	discussed.
18	Q. All right. So, how many customers does Claim
19	5 of the 461 patent require?
20	A. It doesn't state.
21	Q. So, what is the minimum number of customers
22	for which the process would have to be performed in order
23	to satisfy Claim 5?
24	MR. FULLERTON: Objection to form.
25	THE WITNESS: In order for this invention

Jaime C	arbonell,	Ph.D.
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1	to be meaningful to be used in practice, it would have to
2	be a number of customers. If you only had one or two
3	customers, you just pay attention to them all the time.
4	BY MR. SEARS:
5	Q. So, when is the minimum number of customers
6	required to satisfy Claim 5?
7	A. The patent the claim is silent as to the
8	number of customers to which it must be applied.
9	Q. So, would one customer be enough?
10	A. If it was only one potential customer in the
11	entire world, then there would be no need for this
12	process described in this patent. There would be no
13	motivation for creating this patent. You would just be
14	trying to sell to that person.
15	The whole point is to determine which
16	customers are present good sales opportunities, which
17	vehicles, and which payment terms.
18	Q. Does Claim 5 require more than one customer?
19	A. Claim 5 is silent with respect to requiring
20	Q. Okay.
21	A a number of
22	Q. Does Claim 5 require more than one new
23	vehicle?
24	A. Again, Claim 5 is silent with respect to the
25	number of new vehicles.

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	Jaime Carbonell,	, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Q.	Does Claim 5 require more than one financial
2	provider?	
3	Α.	Same answer. Claim 5 is silent with respect
4	to the num	ber of financial providers.
5	Q.	Does Claim 5 require more than one term?
б	A.	Yes.
7	Q.	How many terms does it require?
8		And here I should just to make sure we're
9	both on th	e same page here, earlier I think you used the
10	term to re	efer to balloon payment, lease, financing, and
11	you used a	time period to refer to the period over which
12	payments m	night be stretched.
13		MR. FULLERTON: Objection to form.
14		THE WITNESS: So, Claim 5 is silent with
15	respect to	that as well.
16	BY MR. SEA	ARS:
17	Q.	All right. Then how many time periods does
18	Claim 5 re	equire?
19	Α.	Well, it's plural, so it would be at least
20	two.	
21	Q.	Okay. So, if we take one customer times one
22	new vehicl	e times one financial provider, times one term,
23	times two	time periods, times however many calculations
24	are requir	ed for each iteration, how many calculations
25	does Claim	n 5 require?

	Jaime Carbonell,	Ph.D. De	ealerSocket, Inc. vs. AutoAlert, LLC
1	Α.	I would have to go throug	gh step by step and
2	then algor	ithm, probably a couple h	undred.
3	Q.	A couple hundred?	
4	Α.	Yes.	
5	Q.	So, Claim 5 itself of the	e 461 patent does not
6	recite any	calculation, correct?	
7	Α.	It depends on Claim 1 that	at that does have
8	the descri	ption of the steps which o	contain the
9	calculatio	ons.	
10	Q.	All right. So, Claim 5 o	loes not add any new
11	calculatio	ons to Claim 1, correct?	
12	Α.	It states that it must be	e for multiple terms,
13	so it basi	cally says that the calcu	lations for Claim 1
14	have to be	repeated for each time.	
15	Q.	Okay. So, the calculation	ons set forth in Claim
16	1 have to	be repeated at least twice	e?
17	Α.	That's right.	
18	Q.	So, let's look at Claim	1 of the 461 patents.
19	Looking at	column 24 starting at lin	ne 61, there's a
20	reference	to calculating one or more	e new payments; do you
21	see that?		
22	Α.	Sorry. Which line number	r?
23	Q.	Column 24, line 61.	
24	Α.	Yes.	
25	Q.	All right. Then column 2	25 starting on line 1

Jaime Carbonell, Ph.D.

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references calculating a difference between one or more 1 2 new payments and an existing periodic payment. Do you see that? 3 4 Α. Yes. Where else does Claim 1 reference any 5 0. calculation? That is, where else does Claim 1 of the 461 6 patent reference a calculation other than those two 7 calculations just identified as column 24, line 61, and 8 column 25, line 1? 9 10 From the very beginning, if you are trying to Α. retrieve customer information, the database retrieval has 11 12 within it a set of calculations as calculating the index 13 location for the particular customer, for the particular 14 vehicle, for the particular financial terms. 15 It is retrieving that information. It is 16 extracting it from that retrieval. It is then 17 calculating from the second vehicle information, which 18 means also calculating the indexes for one or multiple 19 potential second vehicles. It is also doing a comparison 20 between the current vehicle in order to generate 21 candidate second vehicles. 22 You're not going to generate a Sherman tank as 23 a second vehicle if the person owns a sports car, and it is also financial terms available to the customer. 24 Τt 25 means it has to retrieve the financial terms. It has to

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1	retrieve from the credit agencies the credit ratings of
2	that customer. It has to then do a comparison of that
3	credit rating against the credit rating of each of the
4	possible financial vehicles to determine which one or
5	ones that person is actually eligible for, and I mean,
6	and so forth. I could go on describing additional
7	calculations for each one of these things.
8	Q. Let's go through step by step here. So,
9	starting at Claim 1, of the 461 patent, starting at
10	column 24, line 41, retrieving at least a portion of
11	customer information, first financial terms that a
12	customer has for a first vehicle, and first vehicle
13	information.
14	Is it possible to do that, is it possible to
15	retrieve a portion of customer information, first
16	financial terms that a customer has for a first vehicle,
17	and first vehicle information without using a computer?
18	MR. FULLERTON: Objection to form and
19	relevance.
20	THE WITNESS: So, no, because that
21	information is contained in the computer database, and
22	because the preamble requires it.
23	BY MR. SEARS:
24	Q. So, my question is is it possible to retrieve
25	a portion of customer information let's break it down

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 even further. 2 Is it possible to retrieve a portion of customer information without a computer? 3 4 MR. FULLERTON: Objection to form and 5 relevance. 6 THE WITNESS: Since that information is 7 stored in the computer database, no. BY MR. SEARS: 8 9 Q. Okay. So, I am unable for -- would a 10 customer's name be customer information? 11 Α. Customer's name is typically what you use as a 12 retrieval key. 13 0. Is a customer's name customer information? 14 MR. FULLERTON: Objection to form. THE WITNESS: A customer's name is customer 15 information. 16 BY MR. SEARS: 17 18 Q. All right. Do I have -- is a computer 19 required to retrieve a customer's name? 20 MR. FULLERTON: Objection to form and 21 relevance. 22 THE WITNESS: From a database, yes. 23 BY MR. SEARS: 24 Is a computer required to retrieve a Q. 25 customer's name?

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC MR. FULLERTON: Objection to form and 1 2 relevance. 3 THE WITNESS: From a database, yes. BY MR. SEARS: 4 Okay. So, instead of revising my question to 5 0. a question that I did not ask, please answer the question 6 7 that I'm asking you, which is: Is a computer required to retrieve a customer's name? 8 9 I said on the specified question. That's an Α. 10 unspecified question. From where would you be retrieving 11 it. To retrieve it, you need a thing to retrieve and a 12 source to retrieve it from. So, that's why --13 When you bought your -- what kind of car do Q. 14 you drive right now? I think you said a Camry hybrid? 15 Camry hybrid. Α. 16 How did the dealer -- how did the salesman you Q. were working with get your name? 17 18 Α. I gave it to him. 19 All right. Did he ask you for your name? Q. I don't remember if I volunteered or he asked 20 Α. 21 me for it. 22 All right. Did he retrieve your name without Q. 23 using a computer? No. He did not retrieve it. That's not 2.4 Α. 25 retrieving.

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Q. Do you know if anyone has ever retrieved your
2	name from a piece of paper?
3	MR. FULLERTON: Objection to form.
4	THE WITNESS: I'm sure that my name has
5	been written on many pieces of paper. Some people have
6	read it from a piece of paper.
7	BY MR. SEARS:
8	Q. All right. Is that retrieving your name from
9	a piece of paper?
10	MR. FULLERTON: Objection to form and
11	relevance.
12	THE WITNESS: I would not call it
13	retrieving. I would call it reading. Depends how
14	broadly you wish to interpret the word retrieve.
15	BY MR. SEARS:
16	Q. All right. Did you trade in? When you bought
17	your 2013 Camry hybrid, did you trade in a vehicle for
18	it?
19	A. Yes, I did.
20	Q. All right. Was that other vehicle paid off?
21	A. I don't engage in vehicle loans, so
22	Q. So, it was paid off?
23	A. So, yes, it was
24	Q. All right. Did you ever finance a vehicle?
25	A. Never.

	Jaime Carbonell,	Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Q.	Never?
2	Α.	Never.
3	Q.	Have you ever helped anyone who has financed a
4	vehicle?	
5	Α.	Oh, yes. Many times.
6	Q.	All right. Did you help anyone finance a
7	vehicle in	the early 1980s? That is to say, not as in
8	provide the	e financing, but help them arrange the
9	financing.	
10	Α.	Yeah. I understood it the way you just
11	clarified.	I don't remember. Possibly not.
12	Q.	Okay. What's the date of your earliest
13	experience	helping someone arrange vehicle financing?
14	Α.	In the late '80s.
15	Q.	Late '80s. Okay. What information can you
16	give me abo	out that? I just want to use it as an example.
17		MR. FULLERTON: Objection to form.
18	BY MR. SEAD	RS:
19	Q.	Are you comfortable telling me who it is, what
20	kind of a o	car, that sort of thing?
21	Α.	It was a neighbor that came from Europe and
22	did not qui	ite know how to go about purchasing a car
23	Q.	Okay.
24	Α.	in the U.S. So, I actually helped him
25	through that	at process of visiting vehicles, Consumer

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Reports, visiting the dealers, and then he had some
2	problem because he did not have a established credit
3	rating in the U.S.
4	Q. I think you said Consumer Reports. Did I hear
5	that right, you mentioned looking at Consumer Reports for
6	information?
7	A. Right.
8	Q. Okay. All right. So, was this a hard copy of
9	Consumer Reports?
10	A. I don't remember. It probably was.
11	Q. Okay. So, how did you get hold of a hard copy
12	of Consumer Reports?
13	A. He did.
14	Q. He did. Did the Consumer Reports have
15	information on potential replacement vehicles?
16	A. Replacement. It had information on vehicles.
17	Q. All right. Did you retrieve that information
18	about those vehicles from Consumer Reports?
19	MR. FULLERTON: Objection to form.
20	THE WITNESS: We read Consumer Reports, and
21	then had some information about the reliability of the
22	vehicles from Consumer Reports.
23	BY MR. SEARS:
24	Q. Okay. Did he retrieve information about those
25	vehicles from Consumer Reports?

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1	MR. FULLERTON: Objection to form.
2	THE WITNESS: He read the information from
3	Consumer Reports. I would not use the word I used the
4	word retrieve on a more technical sense than you're using
5	it.
6	BY MR. SEARS:
7	Q. All right. So, the way you use the word
8	retrieve, it necessarily has written into it that you're
9	retrieving it from an electronic source; is that correct?
10	A. Essentially, you're issuing a query, and based
11	on that query, you're retrieving information that matches
12	the query, which is normally done from an electronic
13	source.
14	Q. All right. So, is it possible to obtain
15	customer information without using a computer?
16	MR. FULLERTON: Objection to form and
17	relevance.
18	THE WITNESS: It is possible by asking a
19	customer, for example.
20	BY MR. SEARS:
21	Q. Okay. Is it possible to obtain first
22	financial terms that a customer has for a first vehicle
23	without using a computer?
24	MR. FULLERTON: Same objections.
25	THE WITNESS: I don't know. That

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	information is typically stored electronically by the
2	lending agency and so forth.
3	BY MR. SEARS:
4	Q. All right.
5	A. Either the computer prints out something. It
6	still came from the computer.
7	Q. Okay. All right. But do you know if it was
8	ever possible to obtain financial terms that a customer
9	has for a vehicle without using a computer?
10	A. I suppose it must have been, yes.
11	Q. And how would that have been done?
12	MR. FULLERTON: Objection to form.
13	THE WITNESS: Again, a long time ago before
14	these things were computerized, there were probably a lot
15	fewer options in terms of possible financing of vehicles,
16	or possible lenders would be ineligible in the region,
17	and it might be only the local bank, for example, and
18	then it would have been done from a ledger or from some
19	other non-computerized list.
20	BY MR. SEARS:
21	Q. The configuration request that's referenced in
22	the claims of the 461 and 791 patents, I think you said
23	earlier that that sets the parameters for potential
24	replacement; is that correct?
25	A. Those are parameters for a vehicle that may
DealerSocket, Inc. vs. AutoAlert, LLC

1	serve as a potential replacement, correct.
2	Q. So, when we were talking about the number of
3	calculations required to practice, for example, Claim 1
4	of the 461 patent, a lot of the calculations that you
5	were reciting had to do with calculating indexes and
6	things of that nature; do you recall that?
7	A. Yes. Those are not the total set of
8	calculations, but those are among them.
9	Q. All right. So, there are the calculations
10	identified as such in Claim 1; that is to say,
11	calculating one or more new payments and calculating a
12	difference between the one or more new payments and an
13	existing periodic payment. There are those calculations.
14	There are indexes calculations that have to do with
15	locating information for retrieval. What other types of
16	calculations are there?
17	A. Well, for example, referring to estimating the
18	equity on a vehicle, and that also requires a set of
19	calculations.
20	Q. All right. What calculations are those, do
21	you know?
22	A. I know how this was performed some time ago.
23	If it's done the same way now, yes, I do know.
24	Q. Okay.
25	A. The vehicle value has a certain depreciation

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 coefficient which are adjusted by model and by year. 2 Okay. Hang on just a second. Okay. 0. Please continue. 3 4 So, a typical calculation may be starting with Α. 5 an MRP and a discount. And MRP, manufacturer's retail 6 price, I think, or recommended price, minus a discount. 7 Discount being because they don't always sell at that a 8 second discount based on the fact that it's a private 9 party that owns it rather than a dealer. Then there is a 10 -- either an exponential or a linear yearly decline in value as the vehicle ages. That is then -- those two 11 12 numbers are multiplied, the discount factor and the 13 original value of the vehicle, to arrive at the estimated 14 value of the vehicle. Then there is adjustments on that 15 based on mileage, wear and tear and location. A vehicle 16 All right. One minute. So, adjust for 17 Q. 18 mileage, wear and tear and location? 19 Possibly other factors as well. Those are the Α. 20 ones I recall. 21 0. Okay. 22 The greater the mileage, the more the Α. 23 discounted value, for example. Wear and tear is visible signs that somebody would input into the system, and it 2.4 would take those and enter them into the calculation. 25

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1	And location are things like if it's in an
2	area like Pittsburgh where they put salt on the roads,
3	the vehicle discount is somewhat higher than if it were
4	in Tampa. I'm making up Tampa. Specifically, a place
5	where they don't put salt in the roads and so forth.
б	So, all of these factors are combined,
7	typically multiplied or subtracted, it's either a
8	coefficient, less than one or a difference, to estimate
9	the current vehicle's value.
10	Q. Okay.
11	A. Then there's a calculation to estimate the
12	current total payments that were made on that vehicle,
13	which involves the downpayment, involves the declining
14	balance no, actually, it's not a declining balance.
15	It's the opposite. It's increasing the balance of
16	non-interest payments or principle payments that are paid
17	over time for the vehicle as it's summed up over all of
18	the payments that have been made.
19	So, for example, at the end of year two, there
20	would be 24 numbers to sum up. That would then be the
21	value, the estimated value of the vehicle would then be
22	compared to the estimated payments of the vehicle, and
23	then you would be able to generate the estimated equity
24	in the vehicle, and that could be a positive number or a
25	negative number. If the depreciation of the vehicle has

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 equity; otherwise, it's positive equity. Q. All right. Then what other calculations. So we have got the calculations denominated as such, the calculations that go into estimating a vehicle's equity, and the indexes of calculations. What other calculation are there in Claim 1? A. Well, there are calculations, for example, on determining the eligibility of the person for the financing terms. That calculation, I guess, is standard enough that I can't see exactly how Citi did it, but generically speaking, it involves the credit rating of the individual, it involves the number of years in which they have been making steady payments for another vehicle has not been owned a sufficient number of times, there's a same calculation for the earlier vehicle that the person owned. Then they also look at total outstanding debt that that person has. Usually it's, yoo know, what standing non-mortgage debt. So, you subtract 	
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20 know, what standing non-mortgage debt. So, you subtract	
	ou
21 out the mortgage, and so, the remaining things would be	t
22 like credit card or student loan or other such kinds of	
23 debt that the person would have. Then these numbers are	е
24 compared against reference numbers for other people.	
25 It's adjusted by region. I don't think that's a big	

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1	adjustment, but it's still an adjustment, and then it's
2	compared to the minimum threshold that would allow that
3	person to qualify for the particular terms being offered
4	by that lender.
5	Q. Okay.
6	A. And then that is compared to repeated for
7	other lenders or for other terms. Especially if they
8	don't qualify for first term, the most favorable term,
9	then you redo that calculation and compare it with the
10	next most favorable terms.
11	In other words, the person has to pay a
12	somewhat higher interest or a put a higher downpayment,
13	and then they may qualify for those terms.
14	Q. Okay.
15	A. So, those are additional calculations that go
16	into the entire processes.
17	Q. All right. Any others?
18	MR. FULLERTON: Objection to form.
19	THE WITNESS: There may well be others that
20	the dealer usually makes additional calculations, but
21	they're not explicitly stated in the pack of claims here.
22	BY MR. SEARS:
23	Q. Okay.
24	A. For example, the dealer makes calculations
25	based on the incentives provided by the manufacturer for

r	
1	the different vehicles, and the dealer makes calculations
2	based on the time that a certain car has remained in
3	inventory to decide if they wanted to discount them more
4	or less, and all of those calculations are taken into
5	account for the overall calculation here.
6	Q. So, if you set aside the indexes calculations
7	that are incidents of computerization in Claim 1, what do
8	you end up with, somewhere between 20 and 30
9	calculations?
10	MR. FULLERTON: Objection to form and
11	relevance.
12	THE WITNESS: I think it would be more than
13	that.
14	BY MR. SEARS:
15	Q. All right. So, help me out here. There's two
16	calculations identified as such. When you get around to
17	estimated equity, one calculation is the I'm going to
18	go ahead and count these out.
19	At first you're going to take MRP minus a
20	discount, reflecting actual typical sales price and minus
21	a private party discount. So there's one calculation.
22	A. No, that's two subtractions.
23	Q. Okay. All right. Call that two calculations.
24	All right. Then we're going to apply the depreciation
25	coefficient, right? That's another calculation.

	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	A. The depreciation coefficient has to be applied
2	for each period of time that you own the car, because the
3	depreciation coefficient is either on a yearly or a
4	monthly basis.
5	Q. Mm-hmm.
6	A. So, if there was a yearly basis, and you own
7	the car for two years, it would be two coefficients, if
8	it was a monthly basis, there would be 24 of them.
9	Q. All right okay. All right. Let's assume one
10	year, and then annual coefficients, so that's two more
11	calculations.
12	A. Well, it could be two years and 24
13	coefficients.
14	Q. What I'm interested in is the minimum number
15	of calculations to satisfy for practicing Claim No. 5.
16	That's what I want to get to. I want to get to the
17	minimum until of calculations to practice Claim 5 of the
18	461 patent setting aside indices?
19	MR. FULLERTON: I'm go to object to this
20	whole line of questioning on relevance grounds.
21	THE WITNESS: Okay. So, if the
22	depreciation is stored or calculated or estimated
23	monthly, then you could not use a yearly number. I've
24	seen it done both ways. I do not know whether the common
25	practice these days is yearly or monthly or mixed.

1	BY MR. SEARS:
2	Q. So, it could be done yearly?
3	A. No, I don't know whether it could be done
4	yearly. I don't know what the current whether the
5	practice permits it to be done yearly now. It could
б	what you are saying could be true. I just don't know.
7	Q. All right. Yeah. So, it has at times been
8	true. It sounds like that you did the that the method
9	was to apply an annual depreciation coefficient, correct?
10	MR. FULLERTON: Objection to form.
11	THE WITNESS: It has at times, and for
12	certain models.
13	BY MR. SEARS:
14	Q. All right. So, then, we have got the two
15	subtractions to get the value. We have got throw in a
16	couple of calculations to apply the depreciation
17	coefficient, and then we do separate distance for
18	mileage, wear and tear and location?
19	A. Yes.
20	Q. All right. So that's three more calculations.
21	So, I come up with a minimum of seven calculations for
22	equity? Is there something I'm missing in that?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: Yes. Quite a bit.
25	BY MR. SEARS:

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1	Q. All right.
2	A. So, for example, the mileage calculation is a
3	non-linear. If you run it 5,000 miles, then the discount
4	is bigger for the next 5,000, and it's bigger for the
5	next 5,000, and so on. The amount of discount decreases
6	over time. The fact that you have the car and used it
7	for 5,000 miles is a discount, and then there's another
8	discount for the next. So, the number of calculations to
9	establish the discount for mileage is multiple.
10	Q. What's the smallest number of those we need to
11	do in order to practice Claim 5 of the 461 patent?
12	A. How long would you have owned the car?
13	Q. I guess the minimum would be for one period,
14	right?
15	MR. FULLERTON: Objection to form.
16	THE WITNESS: I don't know if you owned it
17	for one year. You may have to apply three or four
18	calculations for that.
19	BY MR. SEARS:
20	Q. Okay. Let's call it four. We'll call it
21	four. All right. So, I'm up to eight calculations for
22	the equity determination.
23	A. For the
24	MR. FULLERTON: Objection to form.
25	BY MR. SEARS:

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1	Q. Again, we're not talking about every car.
2	We're just talking about what is the minimum number of
3	calculations that have to be performed in order to
4	practice the method of Claim 5 of the 461 patent?
5	A. So, you
6	Q. I don't think there's anything in there, and
7	if there is, please point me to it. I don't think
8	there's anything in Claim 5 that requires that the car
9	has been owned for a certain amount of time or the car
10	have a certain number of miles on it or anything like
11	that. Do you see any sort of restrictions like that in
12	Claim 5?
13	MR. FULLERTON: Objection to form.
14	THE WITNESS: No. In the spec, it has to
15	be a car that the person has owned for enough times so
16	that the financial conditions have changed so that there
17	may be a better condition, but the exact period of time
18	is not stated. So, I did not answer your question.
19	BY MR. SEARS:
20	Q. So, what do you
21	A. About eight.
22	Q. All right. So, what do you think the minimum
23	number of calculations are that are required to determine
24	equity in accordance with what is claimed in Claim 5?
25	MR. FULLERTON: Objection to form.

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	THE WITNESS: Okay. So, we just estimated
2	we just estimated with these you know, pushing it
3	all the way to the extreme as you were trying to do with
4	the calculations, not not I'm not done.
5	BY MR. SEARS:
6	Q. Okay.
7	A. That's not to calculate the equity that is to
8	calculate the value. The value and the equity are not
9	the same thing. The equity also needs to take into
10	account the amount of money that you owe on that car.
11	Q. All right.
12	A. Okay. So that so, you have to calculate
13	that number as well. That number is calculated by
14	summing the downpayment, calculating the fraction of each
15	payment subsequent to that payment, corresponds to
16	principle repayment. And so, if it's a standard loan,
17	that would be for one year, it would be 12 such
18	calculations.
19	Q. Now, it's also possible to just consult an
20	amortization table for that, correct?
21	MR. FULLERTON: Objection to form.
22	THE WITNESS: The amortization table tells
23	you the amount that you are paying monthly, and based on
24	the it may be possible to have an amortization table
25	that contains both the principle and the interest amount

in the declining part. Normally, it just has a total. 1 2 BY MR. SEARS: All right. Those sorts of amortization tables 3 0. were available in 2002? 4 5 Α. Yes. 6 Okay. All right. So, we use the amortization 0. 7 table to figure out how much is owing? 8 Α. So, you have to go to -- you look up on the table, and based on the rate, so, you need to have looked 9 10 up the rate and you need to look it up according to the year, and these are other index calculations. Then you 11 12 need to multiply it by the value of the -- by the 13 difference between the value of the car and the 14 downpayment. 15 So, there's a difference there, a 16 multiplication there, that lookup, and now you have the total payments made on the car. Now, you have to 17 subtract the first from the second in order to finally 18 19 get the estimated equity. 20 Q. So, using an amortization table, how many 21 calculations do you get to -- how many calculations do 22 you count to get the amount owing? 23 About four or five. Α. Okay. Call it five there to get the amount 24 Q. 25 owing. And then we're going to perform another

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Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 calculation to get the equity, correct? 2 Α. Yes. Okay. All right. So, that's a minimum by 3 Q. your count 14 calculations to get the vehicle equity? 4 Not counting calculation of indexes down to 5 Α. 6 retrieve information. 7 MR. FULLERTON: Objection to form. BY MR. SEARS: 8 Correct. Yep. All right. So, there are 14 9 0. -- a minimum, let's say, of 14 calculations for equity, 10 two calculations identified as such in Claim 1 of the 461 11 12 patent, and then we're setting aside the indexes 13 calculations. Are there any other calculations required 14 by Claim 1 of the 461 patent? MR. FULLERTON: Objection to form. 15 16 THE WITNESS: Yeah. I just talked about the calculations for whether the person qualifies or does 17 not qualify for a particular financing option. 18 19 BY MR. SEARS: 20 Q. All right. How many calculations are entailed 21 in that? 22 MR. FULLERTON: Objection to form. 23 THE WITNESS: Normal. BY MR. SEARS: 2.4 25 For a single lender, single financing program. Q.

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1	A. My problem is that if the person does not
2	qualify for that single financing program, then you would
3	redo the calculations for the next most advantageous one
4	until we find one that they qualify for.
5	Q. Okay. So, let's just take the say we get
6	lucky, and the customer qualifies for the first one that
7	you check for; how many calculations?
8	A. Most customers don't get lucky. Usually you
9	have to go two or three down the list before they qualify
10	for one, but that's the part I got from grilling these
11	the auto dealers.
12	That would entail the credit rating lookup.
13	It would entail the tallying up the other sources of
14	loans that other debt that the person has, how many
15	credit cards does a person normally have, or student
16	loans or home equity loans or
17	Q. Does Claim 5 require any minimum number of
18	credit cards, or how many equity loans?
19	A. It requires determining the available lines of
20	credit. So, implicitly requires making these kinds of
21	calculations. That's how you
22	Q. Then, so, for purposes of the exercise we're
23	going through trying to calculate the minimum number of
24	calculations required to practice Claim 5, what is the
25	smallest number of credit cards or student loans that a

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1	customer has to have in order for Claim 5 to read on the
2	process?
3	A. Well, the person has to be able to qualify for
4	a loan, and if that number was zero, they had never
5	exercised credit, then he has all kinds of difficulty.
6	Like my neighbor that I was telling you in the late '80s
7	had all kinds of difficulties in qualifying for a loan,
8	so they make alternate calculations that are required for
9	the loan. Let's assume they have three or four such
10	previous exercises of credit.
11	Q. All right.
12	A. So there would be three or four such
13	calculations, and then a conversion of the credit score
14	into an internal normalized score, and then a
15	multiplication, and then one more, and then let's say
16	seven or eight calculations for that.
17	Q. Anything else? Besides the qualifications and
18	the equity calculation, the indexes calculations and the
19	calculations identified as such.
20	MR. FULLERTON: Objection to form.
21	THE WITNESS: Well, then there would be the
22	calculation of the monthly payment, the difference
23	between the two monthly payments, and the comparison
24	against the threshold.
25	BY MR. SEARS:

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1	Q. All right. So, there's three more
2	calculations. So, by my count, setting aside the indexes
3	calculations, we have a minimum of 14 equity
4	calculations, and according to the process that you've
5	described, eight qualification calculations, three
6	calculations identified in the claim, that is calculating
7	a new payment, calculating a difference and comparing
8	that to a threshold, and have I missed anything?
9	MR. FULLERTON: Objection to form.
10	THE WITNESS: These are the strict numeric
11	calculations. As I said, the computer does all of these
12	other calculations for extracting the data, for indexing
13	to the database, for generating hash keys and so forth
14	that you're not counting, but are part of the
15	calculation.
16	BY MR. SEARS:
17	Q. So, if we take those 25 non-indexes
18	calculations and we double it because Claim 5 requires
19	two respective different respective time periods, that
20	gets up to 50 calculations. Is a computer required to
21	perform 50 calculations?
22	MR. FULLERTON: Objection to form and
23	relevance.
24	THE WITNESS: This whole line of
25	questioning is going to a situation where this patent

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1	would not be practiced. If you had a single vehicle, if
2	you had a single customer and so forth. So, this
3	absolutely minimal situation you're trying to create here
4	is not what the whole patent is for. That's not what the
5	spec directs the patent is, which is at examining a large
б	number of customers, multiple vehicles, multiple
7	financing, multiple lenders, in order to find the most
8	advantageous terms and generate sales opportunities.
9	BY MR. SEARS:
10	Q. I'm sorry. Would you remind repeating that
11	list. Large number customers, multiple vehicles
12	A. Multiple lenders and multiple financing terms
13	per lender in order to be able to generate the most
14	favorable sales leads.
15	Q. Does Claim 5 of the 461 patent require
16	multiple customers or sorry, a large number of
17	customers?
18	A. No. We have been through that. The claim
19	language itself does not require those things.
20	Q. All right. Likewise, the claim language does
21	not require multiple vehicles, correct? Multiple
22	replacement.
23	A. Requires two.
24	Q. Does the claim language require multiple
25	replacement vehicles?

	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	A. No.
2	Q. Does the claim language require multiple
3	lenders?
4	A. No.
5	Q. Does the claim language require multiple
6	financing terms per lender? Given how Claim 5 is worded,
7	does the Claim 5 language require more than two financing
8	terms per lender?
9	A. No.
10	Q. That goes for all of the claims of the 461 and
11	791 patents; I believe that is to say with regard to all
12	of the claims of the 461 and 791 patents, none of the
13	claims require a large number of customers, correct?
14	MR. FULLERTON: Objection to form.
15	THE WITNESS: Literally, your statement is
16	correct. They would operate under the setting we have a
17	large number of customers, but in claim terms do not
18	the claim language does not require it.
19	BY MR. SEARS:
20	Q. All right. Does the claim language of any of
21	the claims of the 461 and 791 patents require more than a
22	current vehicle and one potential replacement vehicle?
23	MR. FULLERTON: Objection to form.
24	THE WITNESS: Again, normally they would
25	have multiple replacement vehicles, but that's not a

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requirement. 1 BY MR. SEARS: 2 3 All right. Do any of the claims of the 461 or Q. 791 patents require multiple lenders? 4 5 MR. FULLERTON: Objection to form. 6 THE WITNESS: Same answer. Normally, it 7 would be multiple lenders, and the claim language is not 8 requiring. BY MR. SEARS: 9 10 None of the claims requires more than two Q. 11 financing terms per lender, correct? 12 MR. FULLERTON: Objection to form. 13 THE WITNESS: Again, it's the same kind of 14 answer. Normally there would be multiple terms, and claim language does not require more than two. 15 BY MR. SEARS: 16 All right. Can information be up to date even 17 Q. 18 if it has not changed? 19 MR. FULLERTON: Objection to form. 20 THE WITNESS: Can it be or is it 21 necessarily? Can it be. Yes, it can be. BY MR. SEARS: 22 23 So, up-to-date information is not necessarily Q. changed information? 24 25 MR. FULLERTON: Same objection.

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1	THE WITNESS: It means the latest
2	information available.
3	BY MR. SEARS:
4	Q. Whether or not it's changed?
5	A. Exactly.
6	Q. So, it need not be changed information?
7	MR. FULLERTON: Objection to form.
8	THE WITNESS: Right.
9	BY MR. SEARS:
10	Q. Dr. Carbonell, I'm handing you what is Paper
11	No. 12 is Case No. CBM 2014-00139, a document titled
12	"Decision" that was entered on October 23, 2014.
13	Please take what time you need, and then after
14	you've had what time you need to look at the document,
15	please tell me if you have seen this document before.
16	A. This is a decision instituting the CBM
17	proceedings.
18	Q. Yes.
19	A. Yes. I have seen it before.
20	Q. Okay. Then handing you as well the document
21	that is numbered sorry, that is Paper 11 entered
22	October 29, 2014, in the 132 case, that is in case CBM
23	2014-00132, and the question is, have you seen this paper
24	before?
25	A. This one here?

1	Q. Yes.
2	A. Yes. I've seen this one before.
3	Q. All right. So, with regard to Paper 11 in the
4	132 case, could you turn to page 42. Looking at the
5	sentence that begins on the third line, "Here we observed
6	that each challenged claim as a whole" let me just
7	finish reading it "is directed to the fundamental
8	concept of providing vehicle sales opportunities based on
9	loan or lease payments."
10	Do you think that that's a fair summary of
11	what the 461 and 791 patents teach; that is, providing
12	the vehicle sales opportunities based on loan or lease
13	payments?
14	MR. FULLERTON: Objection to form and
15	beyond the scope.
16	THE WITNESS: I think that's an incomplete
17	description.
18	BY MR. SEARS:
19	Q. All right. How is it incomplete?
20	MR. FULLERTON: Same objections.
21	THE WITNESS: It is not based on loan or
22	lease payments. It's based on second vehicles that may
23	be available to them. It is based on a comparative
24	analysis of pre-existing and new loan and lease payments
25	and so forth. This does not mention the comparison

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1	aspects. This does not mention the thresholding aspects.
2	It does not mention the changed market environment on the
3	financial side or the vehicle side.
4	BY MR. SEARS:
5	Q. Okay. Is it possible to provide vehicle sales
6	opportunities based on loan or lease payments without
7	using a computer?
8	MR. FULLERTON: Objection to form and
9	beyond the scope.
10	THE WITNESS: I would have to imagine ways
11	of doing it, but possibly, yes.
12	BY MR. SEARS:
13	Q. What is one way of doing it that you would
14	imagine?
15	MR. FULLERTON: Same objections.
16	THE WITNESS: Suppose that there's been
17	some closeout sale on some vehicle lines, and they're now
18	available at an extremely low price. And then regardless
19	of what loan terms were available, they still might prove
20	advantageous to a large number of people. In other
21	words, there could be some exogenous factor that would
22	make these interesting sale opportunities.
23	BY MR. SEARS:
24	Q. So, in your view, absent some exogenous
25	factor, a computer is required to make the process cost

1	effective?
2	MR. FULLERTON: Objection to form and
3	relevance and beyond the scope.
4	THE WITNESS: I would say both cost
5	effective and effective. Just plain effective.
б	BY MR. SEARS:
7	Q. All right. And why would it not be effective
8	without a computer?
9	MR. FULLERTON: Same objections.
10	THE WITNESS: Because in the absence of
11	some overwhelming factor that would, you know, lower the
12	price or come up with extremely cheap loans or something
13	like that, you would have to enumerate the various
14	combinations of vehicles, customers that qualified for
15	the physical vehicles, financial vehicles, and customers
16	that qualify for the financial vehicles, and compare that
17	against their current automobile expenditures in order to
18	find some that would be priced at or below, or by some
19	other threshold attractive enough. The combinatorics
20	here would not permit.
21	BY MR. SEARS:
22	Q. So, the process has to be run for many
23	iterations in order to yield an appreciable number of
24	leads?
25	MR. FULLERTON: Same objections.

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1	THE WITNESS: And needs to be done fast
2	enough before the opportunities go away; that the banking
3	finance terms change or the vehicles are already sold by
4	somebody else.
5	MR. SEARS: Take one last break.
б	MR. FULLERTON: Sure.
7	(RECESS, 2:15 p.m 2:26 p.m.)
8	MR. SEARS: Back on.
9	BY MR. SEARS:
10	Q. So, Dr. Carbonell, after we went through
11	trying to figure out a minimum number of calculations for
12	Claim 5 of the 461 patent, we came in at something less
13	than 30, and I asked the question is a computer required
14	to perform 30 calculations in time for the information to
15	be useful. Never got a straight yes or no answer to that
16	question. So, let me put the question to you again. Is
17	a computer required to perform 30 calculations?
18	MR. FULLERTON: Objection to form.
19	THE WITNESS: I believe we on the
20	earlier part, I believe we came out there was 24 or 25
21	for Claim 1, and then that would double for Claim 5, that
22	would be closer to 50 rather than 30.
23	BY MR. SEARS:
24	Q. Okay.
25	A. Now your question is is a computer required to

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	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	make 50 calculations. The answer to that question does
2	not bear directly on the patent claims because a number
3	of other items are also required, like the retrieval, the
4	indexing calculations and so forth.
5	Q. So we can let the Board sort out whether it
6	matters or not. My question to you is is a computer
7	required to perform 50 calculations?
8	MR. FULLERTON: Objection to form and
9	relevance.
10	THE WITNESS: Those calculations could be
11	performed, for example, with a hand held calculator.
12	BY MR. SEARS:
13	Q. In how much time?
14	MR. FULLERTON: Same objections.
15	THE WITNESS: In order to make sure that
16	you got them right, I don't know, a half hour.
17	BY MR. SEARS:
18	Q. All right. And we've focused on Claim 5 of
19	the 461 patent because it was the claims in the 461
20	patent, the one that you said that would require the
21	largest number of calculations. Does Claim 5 of the 791
22	patent require any more calculations than Claim 5 of the
23	461 patent?
24	A. I believe it's equivalent. Let me check it
25	again. It's equivalent.

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1	Q. So, the same number of calculations?
2	A. Yes. We left out all of the indexing,
3	retrieval, extraction and other such calculations in
4	terms of the numerical mathematical calculations that you
5	focused on, the substantive calculations, yes.
6	Q. In fact, not only is it the same number of
7	calculations, it's the same calculations, correct?
8	A. That is correct.
9	MR. SEARS: That's all I have.
10	MR. FULLERTON: Okay. I will have a few
11	redirect questions, but I would like to take a short
12	break before then. So, go off the record.
13	(RECESS, 2:29 p.m 2:37 p.m.)
14	EXAMINATION
15	BY MR. FULLERTON:
16	Q. Back on the record. Dr. Carbonell, earlier in
17	this deposition, there were some questions about whether
18	changed information in the claims of the 461 and 791
19	patents means the same thing as retrieved information; do
20	you recall that?
21	A. Yes. I recall that line of questioning. I
22	don't recall the specific questions.
23	Q. Okay. Are there differences in your in
24	between the terms changed information and retrieved
25	information?

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Jaime Carbonell, Ph	h.D.).
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1	A. Yes, there are.
2	Q. What would some of these differences be?
3	A. For example, one can retrieve information
4	about the first vehicle that may not have been changed,
5	and is some of the information that can come from the
6	financial lenders may be changed or may not be changed.
7	It's up-to-date information. I think we discussed that
8	need not necessarily have been changed.
9	And then also, second vehicle information, if
10	the same vehicles were available as the last time that
11	the query was issued, that information need not be
12	changed information. It may be if new vehicles are
13	available.
14	Q. So, the terms changed information and
15	retrieved information in the context of the claims do not
16	have the exact same meaning; is that correct?
17	A. That's correct.
18	Q. If you could take a look at Paragraph 43 of
19	your declaration, Exhibit 2004 in the 132 case.
20	A. What was the paragraph number again?
21	Q. 43. It's on pages 14, 15 and 16. Do you
22	recall the line of questioning about whether let me
23	strike that.
24	Paragraph 43 in this declaration, what is in
25	Paragraph 43?

	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	A. That is the recitation of Claim 1 of the 461
2	patent.
3	Q. Okay. Claim 1 of the 461 patent uses the term
4	"determining" three times; is that correct?
5	A. I see two times. There's probably a third one
6	in there.
7	Q. There must be. Earlier in your testimony
8	there was a line of questioning about whether these three
9	determination steps, being, I'm going to paraphrase, the
10	first one being determining by the computer system
11	whether the changed retrieved information may affect
12	whether it's favorable?
13	A. Yes.
14	Q. The second one being determining if the one or
15	more new payments satisfy at least a condition, and the
16	third one being determining whether the difference is
17	less than or equal to a preset acceptable threshold
18	value?
19	A. Right.
20	Q. Do you recall a line of questioning about
21	whether those three determination steps were the same?
22	A. Yes. I recall that what I said that
23	essentially, they were the same, each was providing
24	narrower or more specific information.
25	Q. Okay. So, starting with the first

Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC 1 determination step, which is determining by the computer 2 system whether the change retrieved information may affect whether it is favorable, what steps are required 3 to perform that determination step? 4 5 The steps that are stated for the --Α. 6 Can you please read them? 0. 7 Α. Yes. "Automatically determining if one or 8 more of the new payments satisfy at least a condition based on at least part of the first financial terms and 9 10 the second financial term, whether the determination comprises calculating the difference between one or more 11 12 new payments and an existing periodic payment for the 13 first vehicle, and determining whether the difference is 14 less than or equal to a pre-set acceptable threshold 15 value." 16 Okay. Above that limitation, is the Q. limitation starting with automatically calculating one or 17 18 more new payments part of the first determination step as 19 you understand the claim? 20 MR. SEARS: Objection leading. 21 THE WITNESS: Yes. That's just what I just 22 read. 23 BY MR. FULLERTON: In your previous answer, you did not identify 24 Q. that limitation. So, let me ask the question again: Can 25

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1	you
2	A. Okay. I meant to.
3	Q. Can you please identify the steps that are
4	required as far part of the first determination step that
5	starts with, "Determining by the computer system whether
6	the changed retrieved information may affect whether it's
7	favorable."
8	A. Okay.
9	It's automatically determining if one or more
10	of the new payments, these are different lenders, satisfy
11	at least a condition based on at least part of the first
12	financial terms, and the second financial terms where the
13	determination comprises calculating the difference
14	between one or more of the new payments and an existing
15	periodic payment for the first vehicle, and determining
16	whether the difference is less than or equal to a preset
17	set of threshold value.
18	Q. Can you please read the limitation that
19	starts, "Above that limitation, starting with
20	automatically calculating one or more new payments."
21	A. Yes. "That calculation automatically
22	calculating one or more payments based on an estimated
23	equity value of the first vehicle derived from the first
24	financial term and based on the second financial term is
25	a prerequisite step."

	Jaime Carbonell, Ph.D. DealerSocket, Inc. vs. AutoAlert, LLC
1	Q. So, is that also a part of the first
2	determination step?
3	A. Yes.
4	Q. Okay. This second determination step we
5	discussed was below automatically determining if the one
6	or more new payments satisfy at least a condition?
7	A. Yes.
8	Q. Do you see that? What steps are required to
9	perform that determination step?
10	A. You need to calculate what the new payments
11	are based on the vehicle, the financial terms available
12	for that vehicle, for the person whether the person
13	qualifies for those financial terms, and for performing
14	the computation on a monthly payment basis compared to
15	the previous vehicle or what it's called here, the first
16	vehicle, and subtracting one from the other and seeing
17	whether then that difference is less than or equal to our
18	threshold.
19	Q. Okay. Then finally, the third determination
20	step, determining whether the difference is less than or
21	equal to a preset acceptable threshold value; what is
22	required to do that?
23	A. It's required that a threshold value be
24	provided. The patent spec gives examples of typical
25	threshold values like zero or 10 percent, and zero being

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1	implying that the new vehicle is less expensive or equal
2	in terms of monthly payment than the previous vehicle.
3	10 percent, maybe you have to pay a little bit more, but
4	you get a brand new vehicle.
5	Q. Do you have to what do you do with the
6	comparison? Excuse me, the threshold value.
7	A. The threshold value is used to compare against
8	the output of the calculation so that if a calculation is
9	below or equal to the threshold value, this comprises a
10	search excuse me, a sales opportunity, and hence the
11	system, you go to the next limitation, and the system
12	automatically generates a message based on that.
13	Q. And you referred to you compare the
14	threshold value against the output of the calculation.
15	What is the calculation that you are talking about?
16	A. The calculation is the difference between the
17	new payment, the new monthly payment, and the old monthly
18	payments.
19	Q. Then finally this afternoon, we discussed at
20	length the minimum number of payments or excuse me,
21	the minimum number of calculations required to practice
22	the claims. Do you recall that line of questioning?
23	A. Yes. It was a fairly long line of questions.
24	Q. Some of your answers in that line of
25	questioning, you gave very thorough explanations of the

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1	calculatio	ons that would be required to	arrive at some of
2	the values	required by the claims such	as arriving or
3	calculatin	g an equity; do you recall th	at?
4	Α.	Yes.	
5	Q.	Every step or calculation th	at you described
6	as part of	calculating equity, for exam	ple, is that
7	necessary	in every case to arrive at an	estimated equity
8	value.		
9	Α.	Well, I gave the way that I	know how to
10	estimate a	n equity value based on my ex	perience with a
11	consumer b	bank.	
12	Q.	Okay.	
13	Α.	I do not I believe that t	here are variant
14	ways of ca	lculating the equity value, a	nd in fact there
15	are varian	t ways of making some of the	other calculations
16	as well.		
17	Q.	Okay.	
18	Α.	They are usually more compli	cated and more
19	involved.	I say the simplest way that	I knew how to do
20	it.		
21	Q.	So in answering Mr. Sears' q	uestions as to the
22	minimum nu	mber of calculations, you wer	e basing your
23	answer on	the way that you know how to	perform the
24	calculatio	ons required?	
25	Α.	Either one; that I was I	know more than one

1	way. He was asking for the minimum number of step, so I
2	was attempting to comply with his question in answering
3	when I know more than one way, the simplest, the
4	computation that has the fewest operations. So, I know
5	some other ways that are a little more involved, and
6	there are alternate ways as well which I have less
7	familiarity.
8	Q. Okay.
9	MR. FULLERTON: That's all I have.
10	MR. SEARS: Nothing more.
11	MR. FULLERTON: All right.
12	(Signature not waived.)
13	(CONCLUDED, 2:49 p.m.)
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1	CERTIFICATE OF COURT REPORTER	
2	I, Marjorie Peters, Registered Merit Reporter,	
3	Certified Realtime Reporter, and Notary Public in the	
4	State of Pennsylvania, before whom the foregoing	
5	deposition was taken, do hereby certify that the witness	
6	Jamie Carbonell was sworn according to the law; that the	
7	foregoing transcript is a true and correct record of the	
8	testimony given; that said testimony was taken by me	
9	stenographically and thereafter reduced to typewriting	
10	under my direction; and that I am neither counsel for,	
11	related to, nor employed by any of the parties to this	
12	case and have no interest, financial or otherwise, in it	
13	outcomes	
14	I further certify that signature was not	
15	waived by the witness.	
16	IN WITNESS WHEREOF, I have hereunto set my	
17	hand this 13th day of February, 2015.	
18		
19	COMMONWEALTH OF PENNSYLVANIA Notarial Seal	
20	Marjonie Peters, Notary Public Ross Twp., Allegheny County My Commission Expires March 13, 2016	
21	MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES	
22	Marjorie Peters, RMR, CRR	
23	My commission expires March 13, 2016.	
24		
25		

1	DECLARATION UNDER PENALTY OF PERJURY
2	Case Name: DealerSocket, Inc. vs. AutoAlert, LLC
3	Date of Deposition: 02/05/2015
4	Job No.: 10014388
5	
6	I, JAIME CARBONELL, PH.D., hereby certify
7	that I have read the transcript of my deposition and that
8	this transcript accurately states the testimony given by me,
9	with the changes or corrections, if any, as noted on an errata
10	sheet or errata sheets.
11	Executed this day of
12	, 2015, at
13	
14	
15	JAIME CARBONELL, PH.D.
16	NOTARIZATION (If Required)
17	State of
18	County of
19	Subscribed and sworn to (or affirmed) before me on
20	this day of, 20,
21	by, proved to me on the
22	basis of satisfactory evidence to be the person
23	who appeared before me.
24	Signature: (Seal)
25	

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1 DEPOSITION ERRATA SHEET 2 Case Name: DealerSocket, Inc. vs. AutoAlert, LLC Name of Witness: Jaime Carbonell, Ph.D. 3 Date of Deposition: 02/05/2015 Job No.: 10014388 Reason Codes: 1. To clarify the record. 4 2. To conform to the facts. 5 3. To correct transcription errors. Page _____ Line _____ Reason _____ б 7 From ______ to _____ Page _____ Line _____ Reason _____ 8 9 From to 10 Page _____ Line _____ Reason _____ 11 From ______ to _____ 12 Page Line Reason From ______ to _____ 13 14 Page _____ Line _____ Reason _____ 15 From to 16 Page _____ Line _____ Reason _____ From ______ to _____ 17 18 Page _____ Line _____ Reason _____ 19 From ______ to _____ Page _____ Line _____ Reason _____ 20 21 From to _____ 2.2 Page _____ Line _____ Reason _____ 23 From _____ to _____ 24 Page Line Reason 25 From ______ to _____

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17	From to	
18	Page Line Reason	
19	From to	
20	Page Line Reason	
21	From to	
22	Subject to the above cha transcript is true and c	correct
23	No changes have been mad transcript is true and	_
24		
25	JAIME CARBO	DNELL, PH.D.

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