

1 UNITED STATES PATENT AND TRADEMARK OFFICE
2 BEFORE THE PATENT TRIAL AND APPEALS BOARD

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5 CENTRAL SQUARE TECHNOLOGIES, LLC,

6 Petitioner,

7

v.

8

CARBYNE LTD.,

9

Patent Owner.

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11

12 Case No. IPR2025-01179

13 U.S. Patent No. 11,689,383

14

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16

17 VIDEOCONFERENCED DEPOSITION OF STUART J. LIPOFF

18 Taken on behalf of the Patent Owner, CARBYNE, LTD., via

19 videoconferencing equipment, by a duly licensed Nevada

20 certified court reporter, commencing at 9:01 a.m., on

21 Friday, March 20, 2026, pursuant to Notice.

22

23

24 REPORTED BY: PAIGE CHRISTIAN, CCR #955
Registered Merit Reporter
25 Certified Realtime Reporter
Certified Realtime Captioner

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I N D E X

EXAMINATION BY:	PAGE
Mr. Herman.....	4

E X H I B I T S

EXHIBITS:	DESCRIPTION:	MARKED
(None.)		

1 LAS VEGAS, NEVADA; FRIDAY, MARCH 20, 2026; 9:01 A.M.

2 --o0o--

3 STUART J. LIPOFF,

4 called as a witness, after having been first duly sworn
5 to tell the truth, the whole truth, and nothing but the
6 truth, was examined and testified as follows:

7 EXAMINATION

8 BY MR. HERMAN:

9 Q. Good morning.

10 Is it Mr. Lipoff, or do you prefer Dr. Lipoff?

11 A. It's mister.

12 Q. Mr. Lipoff. Okay. Good morning, Mr. Lipoff.

13 How many times have you been deposed before?

14 A. About 30 times.

15 Q. So even though that is a lot of experience
16 with depositions, I 'm going to go through a few basic
17 ground rules before we start to make sure that we're on
18 the same page and to ensure we get a clear record.

19 The first is that it's important that we try not
20 to talk over each other, and I'll do my best to wait
21 for you to finish answering before asking another
22 question, and I ask that you wait until I'm done with
23 my question before answering. And oftentimes, it's
24 helpful for you to pause before answering to give your
25 attorneys time to object, and that will help the court

1 reporter make sure that everyone's words gets recorded.

2 Is that okay?

3 A. That's okay, yes.

4 Q. Next, you're entitled to a question you
5 understand, so if I ask anything today that's unclear,
6 please let me know. Otherwise, I'll assume that we're
7 on the same page.

8 Is that fine with you?

9 A. Yes.

10 Q. Next, I -- I ask that you not look at
11 anything during the deposition besides the documents
12 that I'll be giving to you today. And if you do look
13 at anything, for any reason, I ask that you tell me.

14 Is that okay?

15 A. Okay. I do have a copy of my declaration
16 here as well as the two references. And in order to
17 answer your questions, it may be important for me to
18 look at them.

19 Q. Are those clean, unmarked, and unannotated
20 versions of those documents?

21 A. That's correct. They came from counsel in
22 the witness binder, and I was instructed not to
23 annotate them or modify them in any way, which I have
24 not done.

25 Q. So if I ask a question and you find it useful

1 to look at either of those documents, that's fine with
2 me. I just ask that you tell me that you're looking at
3 them and refer to the particular passages that you are
4 looking at.

5 Is that okay?

6 A. That's okay.

7 Q. Next, I ask that you not have any side
8 conversations or use technology to chat or communicate
9 with anyone during the deposition.

10 Is that okay?

11 A. Okay. Other than fire alarms that come in,
12 that's fine.

13 Q. Of course. If, at any point, you need to
14 take a break, if there's environmental distractions
15 that are preventing you from answering questions, just
16 let me know, and we'll deal with it. All right?

17 A. Okay. Thank you.

18 Q. And is there anything else that would prevent
19 or interfere with your ability to testify today besides
20 what we've already talked about?

21 A. No.

22 Q. So while I understand you already have a copy
23 of this particular exhibit, I'm going to put it into
24 the chat, anyway, in case you'd like an electronic copy
25 and so that both the court reporter and your counsel

1 have a copy.

2 So the document I put into the chat has been
3 previously marked as Petitioner Exhibit 1003. And let
4 me know when you have either your paper copy of that in
5 front of you or the electronic copy that I just put
6 into the Zoom chat.

7 A. Okay. I'm going to leave the window full
8 screen, if that's okay, if I have a document.

9 But are we referring to the -- my declaration for
10 the 383 patent? Is that correct?

11 Q. Yeah. So is that your understanding of what
12 Exhibit 1003 is?

13 A. Yeah. For IPR 2025-01139 -- 79, my
14 declaration for the 383 patent.

15 Q. And you understand that this is the
16 declaration that you're here to talk about today,
17 correct?

18 A. That's -- that's my understanding. Correct.

19 Q. And that declaration, I believe, you refer to
20 this patent number relates to U.S. Patent
21 No. 11,689,383; is that right?

22 A. Correct.

23 Q. Is it okay if I refer to that today as the
24 383 patent?

25 A. Yes, please.

1 Q. Is there anything in this declaration that's
2 sitting here today you believe to be inaccurate?

3 A. Nothing I'm aware of at this point. No.

4 Q. And does this declaration include the
5 totality of your opinions regarding the 383 patent in
6 this IPR proceeding?

7 A. It does.

8 Q. So if you turn to paragraph 22 of your
9 declaration, that's Exhibit 1003 --

10 A. Okay.

11 Q. -- and if it helps, it's on the page that's
12 labeled 19.

13 A. Okay. Yeah, that is helpful. Thank you.
14 Give me a minute. Page 19.

15 All right. I'm there.

16 Q. So paragraph 22 is the beginning of a section
17 you've entitled "Materials Considered," correct?

18 A. Correct.

19 Q. And in paragraph 22, you note that, "I have
20 reviewed the following documents, as well as other
21 documents cited throughout this declaration." True?

22 A. Correct.

23 Q. And then there's a table, right?

24 A. Yes.

25 Q. And the table lists five exhibits?

1 A. Correct.

2 Q. And the first of those is Exhibit 1001.

3 That's the 383 patent that I mentioned before,
4 correct?

5 A. Correct.

6 Q. And the next is Exhibit 1002.

7 That's identified as the prosecution history of
8 the 383 patent, right?

9 A. Correct.

10 Q. And then there's two prior art references.

11 That's Exhibit 1005 and Exhibit 1006, correct?

12 A. Correct.

13 Q. And the first of those is a reference to

14 Ramanujaiaha; is that correct?

15 A. That's correct.

16 Q. You have no idea how long it took me to
17 practice pronouncing that name, but I think I finally
18 got it.

19 Did I say it right?

20 A. I had the same problem. Thank you.

21 MR. HERMAN: And for the court reporter, that
22 is spelled R-A-M-A-N-U-J-A-I-A-H-A. And I'm going to
23 try to pronounce it the same way every time I say it
24 today, but no promises.

25 ///

1 BY MR. HERMAN:

2 Q. So that's Exhibit 1005, correct?

3 A. Correct.

4 Q. And Exhibit 1006 is a second prior art
5 reference to Krishman, right?

6 A. Correct.

7 Q. And Exhibit 1007 is an article by Guthrie and
8 Cronin entitled "Mobile Application Development With
9 SMS and the SIM Toolkit," right?

10 A. Yes. It's actually a book excerpt. Yes.

11 Q. Now, there's not an Exhibit 1004 that's
12 listed in that table on paragraph 22, right?

13 A. That's correct.

14 Q. But Exhibit 1004 is referenced in other
15 places in your declaration, for instance, paragraph 10.

16 And if you'll turn to that, you'll see Exhibit
17 1004 is your CV, right?

18 A. That's correct. Yes. On page 15.

19 Q. So between page 15 and page 19 that we're
20 looking at, there was references to Exhibits 1001,
21 1002, 1004, 1005, 1006, and 1007, right?

22 A. Correct.

23 Q. Now, those are the only exhibits I was able
24 to find in your declaration.

25 Did I miss anything?

1 A. I don't believe so.

2 Q. Now, besides Exhibit 1005 and Exhibit 1006
3 and the book excerpt, 1007, I don't believe I found any
4 other prior art in your declaration.

5 Am I right?

6 A. Not -- not in my declaration. Of course, I
7 am also bringing to bear my knowledge and experience
8 from -- from working in this field.

9 Q. So besides Exhibit 1005, 1006, and 1007, you
10 didn't cite any other patents, patent publications,
11 articles, published articles, textbooks, or the like,
12 correct?

13 A. I don't believe so.

14 Q. Now, could you turn up to paragraph 9 of your
15 declaration.

16 A. Okay.

17 Q. And that's on page 15 --

18 A. I see it. Yeah. Correct.

19 Q. It's a section of your declaration that you
20 entitled "Qualifications and Backgrounds." True?

21 A. Correct.

22 Q. Now, in paragraph 11, which is on the next
23 page, page 16, you note that you're "currently
24 president of IP Action Partners Inc., a consulting
25 practice that serves the telecommunications,

1 information technology, media, electronics, and
2 e-business industries."

3 You see that?

4 A. I -- I see that. You've read it correctly.
5 Yes.

6 Q. So what do you mean by the telecommunications
7 industry?

8 A. Broadly speaking, it's those industries that
9 either employ or use communications services. Also, I
10 do work for the companies that provide the hardware and
11 systems and software that supports telecommunications,
12 communications networks. And I do work for the service
13 providers that offer these services to both businesses
14 and consumers, and I also work for organizations that
15 employ communications services -- voice, data, video,
16 mobile media -- in the conduct of their business.

17 Q. So when you reference "information
18 technology" in that sentence I read, what does that
19 refer to?

20 A. Broadly speaking, to the use of computers and
21 computing systems, again, in the three different
22 domains of companies that manufacture the equipment or
23 offer the software. The users of these systems for the
24 purpose of computing and data processing and the
25 services that are data communication services that are

1 often used to connect and network various pieces of
2 hardware and various devices to each other.

3 Q. And what is the e-business industry?

4 A. Sorry. I missed the question.

5 Q. What is the e-business industry?

6 A. E-business? Is that what you're asking, I'm
7 sorry?

8 Q. Yes.

9 A. Okay. Yeah. I lost the first syllable.
10 That would be e-commerce-related activities associated
11 with the purchase and selling of goods and services,
12 employing telecommunications, information technology,
13 sometimes referred to as e-commerce.

14 Q. Now, going down to paragraph 13, you
15 mentioned a general radiotelephone license.

16 What is that?

17 A. It's a credential that's administered and
18 issued by the Federal Communications Commission that
19 requires testing on both regulations as well as
20 technology. It's a credential that you're required to
21 hold for several different types of activities. In my
22 case, for the work that I was doing, the broadcast
23 industry, as a broadcast engineer operating radio and
24 television transmitters, you're required to demonstrate
25 to the FCC that you have the competence, skills, and

1 expertise to -- to be able to operate those systems.

2 And for that purpose, I studied for and took the test

3 and was issued the general radiotelephone license.

4 Q. Now, turning down to paragraph 20, which is
5 on page 18, about the middle of that paragraph, you
6 reference "projects involving call center hardware and
7 systems..."

8 Do you see that?

9 A. Yes, I do.

10 Q. What was the purpose of those call centers?

11 A. A variety of -- of projects that I -- I
12 worked on in that area. Some of them were financial
13 services industries where they were handling calls from
14 both consumers and businesses. Several of the call
15 center projects I worked on were for utilities -- two
16 large electric power utilities, one water utility --
17 mainly receiving calls from consumers, but in some
18 cases, also receiving calls from businesses for
19 customer service and billing types of issues.

20 I also worked on a project for the Phoenix Fire
21 Department, which was the emergency services -related
22 project to handle incoming calls for -- for service
23 related to fire.

24 And those would be the ones that -- relative to
25 this paragraph 20 that relate to the work that I did at

1 ADL, not including other work that I did after I left
2 ADL.

3 Q. Now, if you could turn down to paragraph 53
4 of your declaration, that's on page 32.

5 A. Okay. I'm heading there.

6 Got it.

7 Q. Paragraph 53 is in a section of your
8 declaration that's entitled "Claim Construction,"
9 correct?

10 A. That's correct.

11 Q. And in paragraph 54, there's a single
12 sentence, and that sentence states, "In my opinion,
13 none of the claim terms in the '383 patent require an
14 explicit construction"; is that right?

15 A. You read that correctly. Yes.

16 Q. So I'm going to put a copy of an exhibit
17 that's been marked as Patent Owner Exhibit 2008 into
18 the chat, and I'd like you to download a copy of that.

19 A. Okay. Okay. That's actually 2008?

20 Q. Yes.

21 A. Okay. Let me put that on my desktop. And I
22 guess I have to close the Zoom window to see that.

23 Q. Just try not to disconnect yourself from the
24 telephone call.

25 A. Yeah. Hold on a moment. It's opening now.

1 Okay. I see that.

2 Exhibit L, right?

3 Q. Yes. On the cover, it says, "Exhibit L,"
4 correct?

5 A. Yes, correct.

6 Q. And if you turn to the second page, there is
7 a case caption, and then in about middle of the page,
8 it says, "Declaration of Stuart L. Liphoff," although
9 with an H, "In Support of Counterclaim Defendant
10 CentralSquare's Claim Construction For U.S. Patent No.
11 11,689,383."

12 You see that?

13 A. Yeah. I'm sorry.

14 Just -- what page am I on? This is --

15 Q. -- the second page of Exhibit 2008. And by
16 "second page," if you look in the lower right corner,
17 there's a label. It says, Patent No. 2008, comma, T,
18 dot, 2.

19 A. Okay. I got it. Yes.

20 Q. Did I read the title that's on that page, the
21 second page of 2008, correctly?

22 A. Yes, you did.

23 Q. Now, that's Stuart J. Lipoff.

24 I think they spelled your name wrong, but that's
25 you, right?

1 A. That is my declaration. Yes. They did spell
2 the name wrong.

3 Q. And this declaration relates to the same 383
4 patent that we're talking about today, correct?

5 A. That's correct.

6 Q. But this declaration was not submitted in
7 this IPR.

8 It was submitted in a different district court
9 proceeding, correct?

10 A. That's correct.

11 Q. And you authored this declaration. True?

12 A. That's correct.

13 Q. Do you know when you wrote this declaration?

14 A. I'm sorry. You asked -- did you ask me when?

15 Q. Yes.

16 A. Yeah, yeah. It was in October.

17 Q. And --

18 A. -- you can see the date. I think that's the
19 correct date. October 13th is -- just let me check.

20 Yeah. That's -- that's the date that I filed it.

21 Q. And October 13th is after the date that you
22 signed your IPR declaration, correct?

23 A. That's correct. The IPR declaration was
24 signed in June.

25 Q. And going back to Exhibit 2008, if you go to

1 the last page.

2 A. Yeah. I'm sorry. I just want to make sure I
3 get the -- what is -- which one is 2008? Is that what
4 we're looking at?

5 Q. Yes.

6 A. Yeah. Okay. I got it.

7 Q. So 2008 is your district court declaration
8 from October of 2025, correct?

9 A. Correct.

10 Q. And the last page has your signature on it.
11 True?

12 A. Just scrolling to that. I presume it does.
13 Yes.

14 Q. And immediately before your signature,
15 there's a paragraph where you declare that all the
16 statements you made in the declaration, to your
17 knowledge, are true, correct?

18 A. That's correct.

19 Q. Now, if you could turn to paragraph 48 of
20 Exhibit 2008.

21 A. Okay. What page is that on to help me get to
22 it quickly?

23 Q. Okay. So this is going to be tricky. I'm
24 going to refer to the page numbers that have been added
25 in the lower right corner following Patent No. 2008 and

1 which track the page numbers of the PDF itself.

2 A. Okay.

3 Q. And that paragraph, paragraph 48, is on PDF
4 page 23.

5 A. All right. Sorry. Hold on a second. 23.

6 Okay. And what paragraph number?

7 Q. 48.

8 A. 48. Okay.

9 Okay. I'm there.

10 Q. So this paragraph is discussing the meaning
11 of a claim term wherein the URL link is associated with
12 the phone number of the mobile device, correct?

13 A. That's correct.

14 Q. And that's a claim term that's part of Claim
15 1, and it's the other independent claims of the 383
16 patent. True?

17 A. That's correct.

18 Q. And you state in paragraph 48 that, "It is my
19 opinion that this term is indefinite...", correct?

20 A. Yes. That's -- that's what it reads there.
21 Yes.

22 Q. And you did not state that the term is
23 indefinite in your IPR declaration. True?

24 A. That's correct.

25 Q. Instead, you were able to compare the claim

1 term to the prior art in your IPR declaration, correct?

2 A. Yes. For the IPR proceeding, I was able to
3 determine that the claim term, as I understood it in
4 the IPR, was clearly present in the two references that
5 Ramanujaiaha and Krishman used the same way as it was
6 in the 383 patent.

7 Q. Now, can you turn down to paragraph 56 in
8 Exhibit 2008, and that's on PDF page 29.

9 A. Okay. I'm scrolling to that.

10 Okay. I'm there.

11 Q. And in paragraph 56, you propose an alternate
12 construction of the claim element wherein the URL link
13 is associated with the phone number of the mobile
14 device, correct?

15 A. That's correct.

16 Q. And the construction that you propose is,
17 "the URL link includes a unique identifier associated
18 with the phone number of the mobile device."

19 Did I get that right?

20 A. You read that correctly. Yes.

21 Q. Now, that alternate construction is not
22 mentioned in your IPR declaration, correct?

23 A. That's correct.

24 Q. And you did not employ that construction when
25 comparing the claims to the prior art. True?

1 A. For the IPR, yes, that's correct. I did not
2 employ that construction.

3 Q. Now, in this Exhibit 2008, you do not state
4 anywhere or take the position that the term wherein the
5 URL link is associated with the phone number of the
6 mobile device does not need construction and would be
7 understood to have its plain and ordinary meaning to a
8 person of ordinary skill in the art; is that --

9 MR. SINCLAIR: Objection; form.

10 THE WITNESS: Just to make sure I'm
11 asking the -- I'm answering the question correctly, are
12 you asking me with respect to the district court
13 declaration, Exhibit 2008; is that --

14 BY MR. HERMAN:

15 Q. That's correct.

16 A. Yeah. Okay. Yeah. In Exhibit 2008, my
17 declaration with district court, I do not state that
18 the -- I'm adopting a plain and ordinary meaning to
19 those terms.

20 Q. But that is what you did in Exhibit 1003,
21 correct?

22 A. Actually, I don't believe, in 1003, I
23 actually use the term "plain and ordinary meaning."
24 If -- just to make sure, I want to -- I want to make
25 sure I turn to the exact words that I did use. So

1 let's see. That was on page 32 of my IPR declaration,
2 and -- okay.

3 Yeah. So I'm sorry. I have -- under the Claim
4 Construction section of my IPR declaration, I state in
5 paragraph 53, "The claims are construed according to
6 their ordinary and customary meaning in light of the
7 specification."

8 And in paragraph 54, I indicate that none of the
9 claim terms of the 383 require an explicit
10 construction, because as I explained earlier, in
11 comparing those terms as they were used in the 383
12 patent to the two references, I found that there was a
13 direct alignment and correspondence to them being used
14 in both the references as well as the -- the 383 patent
15 issue in the same way. And I felt I was able to
16 understand and apply it in a way that I could show that
17 those two references did disclose the very same
18 concepts that existed in the 383.

19 Q. Now, in paragraph 53 of Exhibit 1003, you
20 state that, "I understand that, in this proceeding, the
21 claims are construed according to their ordinary and
22 customary meaning..."; is that right?

23 MR. SINCLAIR: Objection; form.

24 THE WITNESS: In light of the specification
25 and prosecution history as understood by POSITA at the

1 time of the invention.

2 BY MR. HERMAN:

3 Q. So in this proceeding, meaning this IPR
4 proceeding, you applied the ordinary and customary
5 meaning of the claim terms in light of the
6 specification and prosecution history; is that true?

7 A. What I did is I applied my understanding of
8 how they were revealed in the 383 patent and compared
9 them to corresponding ways in which they were applied
10 in both of the references, and I found that because the
11 references had the same architecture, the same
12 objectives, and use those claim terms in the same way
13 that they were in the 383, I was comfortable in being
14 able to proceed with my IPR analysis and my IPR
15 opinions.

16 Q. Now, when you refer to the 383 in that
17 answer, you're referring to the claims or the
18 specification?

19 A. The entirety of the 383 patent.

20 Q. Now, you note in paragraph 54 that in your
21 opinion, none of the claim terms in the 383 patent
22 require an explicit construction; is that correct?

23 A. Yes. For the -- you read that correctly, and
24 as I stated, for the purposes of preparing an IPR
25 opinion, I felt that the claim terms as they were used

1 in the 383 patent had a one-to-one correspondence to
2 the same way in which they were being used in the two
3 references that I cited and felt that I was able to
4 offer a well-considered IPR opinion.

5 Q. Now, if you could go back to Exhibit 2008,
6 that's your district court declaration.

7 A. Yes. Okay.

8 Q. If you could turn to paragraph 61, which is
9 on page 32 of the PDF.

10 A. Okay. I'm heading there.

11 All right. I'm there.

12 Q. In paragraph 61, you address the 383 patent
13 claim elements that reads, "wherein the real-time video
14 stream is associated with a unique identifier for the
15 mobile device," correct?

16 A. Correct.

17 Q. And in paragraph 61, you note that this term
18 is likewise indefinite. True?

19 A. Yes. That's -- that's what it states here
20 along with an alternative --

21 Q. Now, you did not -- I apologize. I should
22 have waited a moment before asking.

23 Are you done with your answer?

24 A. Yes, I am.

25 Q. So, you did not state that this particular

1 claim term is indefinite in your IPR declaration.

2 True?

3 A. That's correct.

4 Q. Instead, you were able to compare this
5 particular claim term to the prior art in your IPR
6 declaration, correct?

7 A. Yes, that's correct, for the same reason that
8 I mentioned earlier in that I found that as this was
9 actually used, the 383, there was a direct
10 correspondence to the same way that it was being used
11 in the two -- two prior art references that I analyzed.

12 Q. Now, if you could turn down to paragraph 64,
13 which is on PDF page 34.

14 A. Okay. I'm there.

15 Q. In paragraph 64, you provide an alternate
16 construction for the 383 patent claim term wherein the
17 real-time video stream is associated with the unique
18 identifier for the mobile device, correct?

19 A. You read that correctly. Yes.

20 Q. And the construction you propose is wherein
21 the real-time video stream is associated with the
22 mobile device using a unique identifier, correct?

23 A. That's correct.

24 Q. That construction is not mentioned in your
25 IPR declaration. True?

1 A. That's correct.

2 Q. And you did not employ that construction when
3 comparing the claims to the prior art in your IPR
4 declaration, correct?

5 A. That's correct. And as you mentioned
6 earlier, the declaration for the Exhibit 2008, which is
7 declaration for the district court proceeding,
8 was -- was work that I performed after, about four
9 months after, completing my analysis for the -- the IPR
10 that I'm being examined about today.

11 Q. Now, in Exhibit 2008 -- that's your district
12 court declaration -- you do not opine that the claim
13 term wherein the real-time video stream is associated
14 with the unique identifier for the mobile device can be
15 afforded its ordinary and customary meaning and does
16 not require explicit construction, correct?

17 A. I do not have that statement in the district
18 court proceeding -- yeah. I'm sorry. I do not have
19 that construction written in my declaration, Exhibit
20 2008, that we're looking at today.

21 Q. Now, if you can turn down to paragraph 69 of
22 Exhibit 2008 for me.

23 A. Okay. All right. I'm there.

24 Q. Paragraph 69 includes a construction for the
25 claim phrase "unique identifier," correct?

1 A. That's correct.

2 Q. And the construction that's proposed there
3 does not appear in your IPR declaration. True?

4 A. That's correct. This -- these words do not
5 appear in my IPR declaration.

6 Q. And you do not employ that particular
7 construction when comparing the claims to the prior art
8 in your IPR declaration, correct?

9 A. I -- I did not apply what's written here on
10 the page. I applied an understanding of what unique
11 identifier was as used in the 383, which I found had a
12 corresponding meaning in the two prior art references.

13 Q. Okay. You can put that aside, and let's go
14 back to your IPR expert declaration. That's Exhibit
15 1003.

16 And one of the prior art references that you
17 address in that declaration is Ramanujaiaha; is that
18 true?

19 A. That's correct.

20 Q. And that's Exhibit 1005. And I'm going to
21 put a copy of that into the chat so everyone has a
22 digital version of it, but I understand you have a
23 paper copy, and if you would prefer to look at that,
24 please go ahead.

25 A. Okay.

1 Q. So let me know when you've got Exhibit 1003
2 ready.

3 A. Okay. That's the Ramanujaiaha patent 733
4 reference. Yeah. I have a hard copy of that in front
5 of me, which I prefer to work with.

6 Q. And you refer to Ramanujaiaha throughout your
7 declaration in many places, correct?

8 A. It is one of the references that I employed.
9 Yes.

10 Q. So I'd like to start with one particular
11 portion of your declaration discussing the Ramanujaiaha
12 reference, and that's paragraph 114. And you can find
13 that on page 64.

14 A. Okay. Give me just a minute to get there.
15 Page 54?

16 Q. 6, 64.

17 A. Okay. That's with respect to what I call
18 element 1G, correct?

19 Q. So we may be talking about different things.
20 Paragraph 114 appears to fall under element 1K on page
21 64.

22 A. Oh, okay. For some reason, I have different
23 page numbering on my -- I'm a little confused here.

24 Q. So if there's a discrepancy, you may want to
25 look at the digital version that I gave to you because

1 I got this from the Patent Office's website, so it is
2 more likely to be what's filed if there's a
3 discrepancy.

4 A. Oh, okay. Just -- what paragraph number is
5 it so I can make sure I'm at the right place?

6 Q. 114.

7 A. Okay. Let me just see if I can reconcile
8 this in which case I'll stop using the printed copy.
9 But paragraph 114 on the copy I have is on page 64.

10 Is -- you said 54, didn't you?

11 Q. 64. Maybe my 6 and my 5s have the same --

12 A. Oh, oh, oh. Okay. Yeah. I think we're
13 synced up. I'm sorry. And let me just turn to the
14 previous page so I see the context.

15 This is with respect to what I labeled element 1K,
16 correct, where the real-time video stream is received
17 through the web RTC session where audio content of the
18 emergency call is received through the first
19 construction. Okay.

20 Q. So now I think we're talking about the same
21 paragraph, and paragraph 114, at its end, has an
22 annotated version of figure 2 of Ramanujaiaha; is that
23 right?

24 A. Yes. It actually appears on the next page,
25 but yes, it does.

1 Q. And in that annotated version of figure 2,
2 you've shown what you label a voice channel in red,
3 correct?

4 A. Yes, that's correct.

5 Q. And that voice channel is shown to pass
6 through what the Ramanujaiaha reference labels as
7 element 215 before proceeding on to the orchestration
8 module 230, correct?

9 A. I believe that's correct. Element 215 is
10 what Ramanujaiaha refers to as the media connection
11 device and gives examples of that; a cell phone, for
12 example.

13 Q. And that red represents Ramanujaiaha's audio
14 connection, in your view; is that true?

15 A. As I have designated it in this example, yes.
16 It's showing the voice channel.

17 Q. Now, in your annotated version of figure 2,
18 you've shown what you call a visual channel in blue,
19 right?

20 A. I have labeled it visual channel. Correct.
21 Yes.

22 Q. Now, that blue passes through Ramanujaiaha's
23 element 220 and then on to it multimodal -- model
24 -- Module 125 before reaching the Orchestration Module
25 230; is that right?

1 A. That's the way figure 2 shows it. Correct.
2 Yes.

3 Q. And that is what you believe would be the
4 path that WebRTC real-time video would follow, correct?

5 A. Well, more than what I believe to be the path
6 that's -- as Ramanujaiaha describes what's operating, I
7 provided designations here in paragraph 113 and 114
8 that show WebRTC as being one of the possible
9 modalities for video. And because that would operate
10 over a mobile web application, the -- it's disclosed, I
11 believe, by Ramanujaiaha that that is where the WebRTC
12 would function because it would not function over
13 a -- a voice-only call.

14 Q. Now, nowhere in your declaration did you
15 offer an opinion premised on video traveling via
16 element 215 and voice traveling via element 220, so
17 essentially, the opposite of what you've shown in your
18 annotated version of figure 2.

19 That opinion's not in your declaration, correct?

20 MR. SINCLAIR: Objection; form.

21 THE WITNESS: I do not analyze --
22 Ramanujaiaha has a large number of modalities as well
23 as various ways of which communications can occur, but
24 the one that I've analyzed here is one of the
25 embodiments and one of the modalities that is, I

1 believe, fairly disclosed in Ramanujaiaha, and it is
2 the one that I feel relates to element 1K in the 383
3 patent.

4 BY MR. HERMAN:

5 Q. And my question was, you did not discuss the
6 opposite, however, where video travels over the red
7 path and voice travels over the blue path, correct?

8 MR. SINCLAIR: Objection; form.

9 THE WITNESS: I did not, yes. Yeah. I did
10 not provide an analysis or opinion on any of the other
11 many modalities that are in the Ramanujaiaha reference.
12 I analyzed the particular embodiment that's described
13 here in paragraph 113 and 114 where the voice travels
14 over a separate path from the WebRTC visual
15 communications, and as Ramanujaiaha discloses, it
16 occurs concurrently or simultaneously.

17 BY MR. HERMAN:

18 Q. Now, does Rama -- Ramanujaiaha discuss figure
19 2 in its specification?

20 A. Does it dis -- is the question, does it
21 discuss figure 2 in its specification?

22 Q. Yes.

23 A. I believe so. Yes.

24 Q. So why don't you get Exhibit 1005 handy.
25 That's the Ramanujaiaha reference.

1 A. Okay. Give me a second here.

2 All right. I've got it here.

3 Q. If you could turn to column 10 for me.

4 A. All right. Hold on a second. Okay.

5 All right. I'm there at column 10. Yes.

6 Q. If you could turn down to line 28, there's a
7 paragraph that begins (as read): "Figure 2 is a
8 schematic diagram of certain components of the contact
9 center system of figures 1A and 1B."

10 Let me know when you're there.

11 A. Yeah. I see that.

12 Q. So this is the beginning of a discussion of
13 figure 2 in Ramanujaiaha, correct?

14 A. Yes, that's correct.

15 Q. And that discussion carries on for quite some
16 time going on to column 11 into column 12, correct?

17 A. Let's see. I believe figure 2 is -- yes.
18 Yes, it does. It goes up to line 47, it looks like, on
19 column 12. It's all about figure 2. That's correct.

20 Q. Give me a moment. Just let me find my place
21 here.

22 If you could turn to column 10.

23 A. Okay.

24 Q. Actually, I apologize. Column 11 at line 60.

25 A. Column 11, line 60. Yes.

1 Q. There's a paragraph that begins, "For
2 example," referring to figure 2.

3 Let me know when you're there.

4 A. I see that.

5 Q. It goes on to read, "the user 210 may
6 initiate the first interaction by placing a phone/video
7 call to the call center via the media connection device
8 215."

9 A. Yes. I see that.

10 Q. And that's referring to the red path in your
11 figure -- your annotated version of figure 2; is that
12 right?

13 A. Yes. 215. Yes.

14 Q. And that red path that goes through 215 is
15 identified in Ramanujaiaha as the first interaction
16 that the user has with the call center, correct?

17 A. That's correct.

18 Q. And according to Ramanujaiaha, that first
19 interaction can be either a phone or a video call,
20 correct?

21 A. That's one of the embodiments that's
22 indicated here in red line 60 that you pointed me to.
23 Yes.

24 Q. And if you could look over to column 12,
25 starting at line 3, so, kind of, the first full

1 paragraph.

2 A. Yes, I see that.

3 Q. All right. There, Ramanujaiaha states that
4 its Orchestration Module 230 may then execute business
5 logic that determines that the user 210 should be
6 invited to a multi-mobile session via a different
7 channel, right?

8 A. Yes. That's how it reads.

9 Q. Now, by "different channel," Ramanujaiaha is
10 referring to a channel that is not the same as what you
11 highlighted in red passing through element 215 in
12 figure 2, correct?

13 A. Yes. That's -- that's correct. My
14 understanding, as I laid out the evidence in paragraphs
15 113 through 115, is that the voice path embodiment
16 through 215 is accomplished concurrently,
17 simultaneously, with the path through the mobile web,
18 Item 220, and that path through the mobile web is web
19 RTC, as disclosed in Ramanujaiaha.

20 Q. Now, in that paragraph in column 12 that
21 we've been looking at that starts at line 3, about the
22 middle of the paragraph, there's reference to a unique
23 URL, correct?

24 A. Yes. Line 7, I guess, has the words "unique
25 URL" in it.

1 Q. And the end of that paragraph states that the
2 user may utilize the link to open the visual
3 communication channel on either the smart mobile phone
4 220 or through another device such as, for example, the
5 desktop web 225, right?

6 A. That's correct. The smart mobile phone 220
7 is the same device that's in the blue pathway in figure
8 2.

9 Q. And in the blue pathway in figure 2, you're
10 referring to the blue pathway that you annotated in the
11 annotated version of figure 2 in paragraph 114 of your
12 declaration, correct?

13 A. Oh, yes. That is my annotation. That's
14 correct.

15 Q. Now, if we look at the next paragraph in
16 column 12, there's a sentence that begins at about line
17 22 that starts with the word "Thus."

18 A. Thus. Oh, I'm sorry. I'm -- I'm in the
19 wrong spot.

20 Yeah. Okay. I'm there.

21 Q. And that sentence reads, "Thus, in this
22 example, the user 210 is now engaged through two
23 modalities, a voice media channel that uses the media
24 connection device 215, and a visual media channel that
25 uses the mobile app/mobile web 220, or desktop web

1 225," right?

2 A. You read that correctly. I -- yes. You read
3 that correctly.

4 Q. And there, Ramanujaiaha identifies that
5 second communication channel as a video -- visual media
6 channel, correct?

7 A. Yes, it does. Yeah. It says visual media
8 channel. Right.

9 Q. And this is the same second channel that's
10 being referred to throughout Ramanujaiaha's discussion
11 in figure 2, correct?

12 A. Yes. In my understanding of the disclosure
13 of Ramanujaiaha, the visual channel that's identified
14 here in around -- let me just make sure I've got it
15 right.

16 It's identified here in column 12 -- is the WebRTC
17 channel that's being implemented by what I show as the
18 blue annotation in figure 2, mobile web.

19 Q. Now, let's go back to column 10.

20 A. Okay.

21 Q. And there's a paragraph that begins at about
22 line 32 that starts (as read): "Referring to figure
23 2..."

24 Let me know when you're there.

25 A. Okay. Line 30 -- yes. I see (as read):

1 "Referring to figure 2." Yes.

2 Q. And a bit down in that paragraph, there is a
3 sentence that begins, "For example, the user 210 may
4 have access to a media connection device."

5 See that?

6 A. I see that.

7 Q. Then there's a parenthetical that reads,
8 "(e.g., a mobile phone or a LAN line phone)," and then
9 the parenthetical ends, and then there's the reference
10 number, "215," correct?

11 A. Correct.

12 Q. So, that media connection device 215 is the
13 device that facilitates the red path in figure 2,
14 correct?

15 A. It is the, yes, what I designated as the
16 voice path where the initial call is made in figure 2.
17 Yes.

18 Q. And Ramanujaiaha goes on to state that that
19 device 215 is "capable of voice or video
20 communications, (e.g., PSTN, WebRTC, Siri, Facetime,
21 etc.)," correct?

22 A. Yes, it does.

23 Q. So in this particular passage, Ramanujaiaha
24 is stating that device 215 engages in voice or video
25 communication using, for instance, WebRTC, true?

1 A. Yeah. So I think Ramanujaiaha, though, is
2 also clear that device 215, a mobile phone, can also be
3 the very same Device 210 that has a mobile web in it.
4 And WebRTC is -- requires the use of mobile web
5 protocols such as HTML, TCP/IP, so on and so forth.

6 So although a digital mobile phone with special
7 applications that are downloaded to it might be capable
8 of video communications with a special app downloaded,
9 the specification of the 383 patent and other
10 limitations require that the visual connection occur
11 without downloading a special application to the phone.

12 And so, reading the disclosure, Ramanujaiaha, in
13 the context of the objectives of the 383 patent, one
14 could not be sending WebRTC over that voice connection,
15 the red path. WebRTC only works when it uses internet
16 protocols such as the mobile web protocols that I show
17 in the -- such that I show in figure -- figure 2.

18 The -- and I just want to make sure I find
19 the -- yeah. Make sure I find the quite -- correct
20 reference.

21 Yeah. So Limitation 1F of the 383 patent requires
22 a user to click on a URL link to access a web browser
23 on the mobile device instead of a full application on
24 the mobile device.

25 So in the light of the disclosures in the 383

1 patent, the objectives of the 383 patent, and Claim
2 Limitation 1F, you would not be downloading a special
3 application to the phone which would be required to
4 support visual communications over the voice link. The
5 only possibility would be to employ the web browser, as
6 indicated in 1F, and I imported that understanding when
7 I did my analysis of 1K and my description at figure 2
8 which shows that there are two separate paths, a voice
9 path concurrent with a WebRTC path shown in blue in
10 figure 2.

11 Q. I think you said that your interpretation of
12 Ramanujaiaha and its disclosures took into account the
13 objectives of the 383 patent; is that right?

14 A. Well --

15 MR. SINCLAIR: Objection; form.

16 THE WITNESS: -- yeah. So in performing my
17 analysis, I read the entirety of Ramanujaiaha. I
18 attempted to develop an understanding of what was
19 disclosed in the patent and an understanding of what
20 each of the claim limitations meant. And then, when I
21 looked at these various references, I looked, and my
22 analysis was to determine whether or not those
23 references revealed and disclosed those claim
24 limitations in the same way in which the 383 patent was
25 disclosing those claim limitations performing the same

1 objectives and functions as was performed in the 383
2 patent.

3 Q. And you determined those objectives and
4 functions by reviewing the 383 patent, correct?

5 A. Yes. In order to perform an analysis to see
6 whether or not any of the prior art references revealed
7 the concepts and the claim limitations in the 383
8 patent, I, of course, analyzed the 383 patent to
9 understand what the limitations were in the light of
10 the specification of the 383 patent.

11 Q. Now, if we can go back to column 10, we've
12 been talking about the reference to WebRTC that appears
13 at about line 35 or so or maybe 38 of column 10. If
14 you could just direct your attention back there.

15 A. I see that.

16 Q. And again, the reference to WebRTC is in a
17 parenthetical that follows a discussion of device 215,
18 correct?

19 A. It -- it is. That's one of the, I think, two
20 places at which WebRTC appears in the -- in the
21 Ramanujaiaha reference. But that's one of them. Yes.

22 Q. And here, the element 215 that's being
23 discussed in figure 2 is responsible for the first
24 interaction between the user and the call center,
25 correct?

1 A. In the -- one embodiment -- in the embodiment
2 that I'm referring to, yes. The mobile phone -- where
3 215 represents a mobile phone, which is one of the
4 devices, it is the device that would be involved in the
5 first interaction. So in the -- in the embodiment that
6 I'm analyzing, it would be a mobile phone making the
7 first interaction with the -- the call center using
8 voice.

9 Q. Now, if you could turn -- that's another
10 question.

11 Can you use WebRTC to engage in just voice
12 communication?

13 A. It is possible to use WebRTC to engage in
14 voice communications. However, WebRTC only works
15 through a web browser. It does not work through
16 a -- any other native application on a phone. To use
17 it on something other than the native web browser, you
18 would have to download a special application to the
19 phone, which would be inconsistent with the objective
20 of the 383 patent and with Limitation 1F where you're
21 accessing the web browser on the mobile device instead
22 of a full application on the mobile phone.

23 Q. Now, if you could turn to column 8 of
24 Ramanujaiaha for me.

25 A. Okay. Column 8. I'm sorry. Lot of -- lot

1 of pieces of paper here.

2 Column 8. Okay. I'm there.

3 Q. In column 8 at about line 27, there's another
4 reference to WebRTC, correct?

5 A. Yes, that's correct.

6 Q. And that's part of a sentence that reads,
7 "The web pages may also provide a mechanism for
8 contacting the contact center," and then it goes on,
9 right?

10 A. Yes. That's correct.

11 Q. So the web pages in that sentence are
12 referring to the contact center's web pages, correct?

13 A. Give me just a moment to internalize this
14 paragraph.

15 Yes, it's -- as I understand this disclosure in
16 Ramanujaiaha, they're talking about web pages that are
17 served from the web servers 120 of the contact center,
18 and it seems to be that they allow for whoever is
19 surfing or -- whoever's browsing those web pages can
20 click on some links that would -- would start, for
21 example, a WebRTC chat.

22 Q. So that's referring to a mechanism to contact
23 the contact center in the first instance, correct?

24 A. At least what I'm -- I'm reading right here
25 without -- since I didn't cite to this -- this portion

1 of Ramanujaiaha as one of the embodiments, I don't know
2 if I can answer that question without -- without
3 reading more of the Ramanujaiaha reference. But it's
4 not clear whether there may or may not be a voice call
5 that preceded this or not. The only thing I can tell
6 from reading this portion is that it's describing some
7 modality, some embodiment of Ramanujaiaha. It didn't
8 cite to where whoever wants to -- whoever is browsing
9 the contact center web pages has the ability to click
10 on a link, and that link would -- would energize a
11 WebRTC session.

12 It's -- this -- this particular paragraph is
13 silent as to whether or not there is a prior -- or
14 concurrent voice call in process. There may or may not
15 be. I don't know.

16 If I read the rest of Ramanujaiaha, I might be
17 able to answer that, but it -- it's not something that
18 I relied upon in forming my opinion, and I don't
19 believe I cited to this portion.

20 Q. Now, if you could turn to column 9 of
21 Ramanujaiaha.

22 A. Okay. I'm there.

23 Q. And in particular, there's a paragraph that
24 begins at about line 46 of column 9.

25 A. Line 46. I see that.

1 Q. And that paragraph begins with the sentence
2 that reads, "In the various embodiments, the terms
3 'interaction' and 'communication' are used
4 interchangeably," right?

5 A. I see that. Yes.

6 Q. And then the paragraph goes on to list what
7 Ramanujaiaha characterizes as real-time and
8 non-real-time interaction, right?

9 A. Yes. That's correct.

10 Q. So the paragraph identifies telephonic -- or
11 telephony calls, right?

12 A. Yes. Telephony. Yes.

13 Q. E-mails and v-mails, correct?

14 A. Yes.

15 Q. Then video chat, screen sharing, text
16 messages, social media, and web real-time
17 communication, right?

18 A. Yes. Giving the example of WebRTC as one of
19 the examples of web real-time communications.

20 Q. So those are examples of both real-time and
21 non-real-time interactions, correct?

22 A. It's a mix of, yeah, real-time and
23 non-real-time interactions. Yes.

24 Q. Now, if you can turn back to column 12 for
25 me.

1 A. Okay. I'm there. Yes.

2 Q. At about line 26 --

3 A. Okay.

4 Q. -- there's a sentence that begins, "The
5 interaction in both modalities..."

6 A. Okay. Yes. I see that.

7 Q. The interaction in both modalities is tracked
8 and synchronized, comma, and content -- or context is
9 maintained as the customer concurrently utilizes both
10 modalities at the same time.

11 Then the sentence continues, right?

12 A. Yes. That's -- you read that correctly.

13 Q. Now, an audio communication with a customer
14 service agent is something that is happening in
15 real-time, correct?

16 A. If it's one of the examples of what we were
17 looking at previously, which is a telephony call would
18 be. If it's -- if it's voicemail, it's not real-time.

19 Q. But a telephony call with a customer service
20 agent would, in fact, be happening in real-time,
21 correct?

22 A. Correct.

23 Q. And real-time video with a customer service
24 agent is also occurring in real-time, correct?

25 A. Yeah. During a WebRTC session, there is no

1 delay or storage, so a concurrent WebRTC session with a
2 concurrent telephone call would -- would both be
3 occurring in real-time.

4 Q. Do you need to maintain the context of two
5 simultaneously-occurring real-time communications?

6 A. The -- the section where -- we're looking at
7 that starts around line 26 in column 12 does indicate
8 that the interaction of the modalities is tracked and
9 synchronized as -- and the content is maintained, as a
10 customer concurrently utilizes both modalities at the
11 same time.

12 Q. My question is, you need to do that if the
13 two modalities are both real-time communications?

14 MR. SINCLAIR: Objection; form.

15 THE WITNESS: Well, I'm not -- I'm not sure
16 if you're asking me whether I agree with what
17 Ramanujaiaha says. I -- I agree that Ramanujaiaha
18 discloses that the interaction of both modalities is
19 tracked and synchronized, as the customer currently
20 maintains both modalities at the same time. So
21 that -- that is disclosed in Ramanujaiaha starting
22 around line 26, column 12.

23 BY MR. HERMAN:

24 Q. So what would be the purpose of doing that if
25 both communications were real-time communications?

1 A. So that the customer service representative
2 who is speaking to the caller by voice and is also
3 viewing on their terminal the WebRTC feed, which would
4 be the video of whatever -- the visual material that
5 the customer -- not the customer, the caller is
6 sending, which could be images or real-time video,
7 anything that their camera might be pointed at on their
8 phone, it would be important that the call center agent
9 be able to relate what they hear by voice on the phone
10 with the visual images that they're seeing on WebRTC
11 knowing that they're coming from the same caller.

12 Q. So how would you maintain context of a
13 real-time video?

14 A. Well, one of the mechanisms that's described
15 in Ramanujaiaha is a session ID, and one of the other
16 mechanisms as described in Ramanujaiaha is a fact that
17 the phone call is -- is known to the call center
18 operator. So by having -- in the one instance, having
19 a session ID which would be something that would be
20 sent to the enduser as part of the URL that they would
21 click on, when they click on that, the call center
22 would be advised as to what that session ID is, and the
23 software in the call center would be able to match up
24 the WebRTC session with -- with the caller's phone
25 number and the session ID that was assigned when the

1 session began.

2 I provide a discussion of this in my declaration
3 with respect to Limitation 1L on page 65, indicating
4 the role of the session ID and the phone number and
5 being able to tie the real-time RTC video stream with
6 the -- the voice telephony call.

7 Q. The session ID identifies who is calling,
8 correct?

9 A. The session ID, according to disclosure in
10 Ramanujaiaha, are created at the time the enduser, the
11 caller, contacts the contact center. And it's -- it
12 has a one-to-one correspondence between the caller's
13 telephone number and the -- the voice channel.

14 The -- as I indicate in paragraph 117 of my
15 declaration, Ramanujaiaha discloses the controller
16 generates a session ID associated with the first
17 interaction, parentheses, the users call over the video
18 channel described in Limitations 1A, 1B, 1E, and the
19 multimodal session. And I cite to Ramanujaiaha column
20 11, 63 to 66, and column 12, 21 to 26. The first
21 interaction associated with session ID may be
22 generated, for example, by the call controller and is
23 passed along to the orchestration module.

24 So as I go on to state here in paragraph 117, A
25 person of ordinary skill in the art would have

1 understood the session identifier is unique because it
2 corresponds specific interactions between a specific
3 caller device and the emergency center. And it allows
4 the customer service agent, the emergency dispatcher,
5 at the call center to be able to associate the WebRTC
6 session, real-time session, with the voice, concurrent
7 voice, telephone call that's taking place on a
8 different channel.

9 Q. Now, the session ID does not, however,
10 provide any information about what was said by the
11 caller during the audio communication, correct?

12 A. Other than what the customer -- what the call
13 center agent, the emergency services dispatcher --
14 other than what the call center agent has in their head
15 as a result of the -- the communications, that would
16 provide them with an understanding that when they see
17 the visual that comes up on the screen, because it
18 would point to the same phone number and the same
19 session ID, the -- although the session ID itself
20 intrinsically does not contain the content, the call
21 center agent would be able to relate all the knowledge
22 about the prior conversation before the WebRTC session
23 started.

24 So, I would say, the session ID may not directly
25 contain that content, but it would provide the ability

1 for the call center agent to be able to relate whatever
2 that voice conversation was through the WebRTC session.

3 Q. So I feel like we've been going for about an
4 hour and 20 minutes, or so.

5 Do you -- would you like to take a short break?

6 THE WITNESS: That would be great. Yes.

7 Thank you.

8 MR. HERMAN: Five minutes? Ten minutes? You
9 need longer than that?

10 THE WITNESS: I'm good. Let's see. I've got
11 18 minutes past the hour.

12 How about start at 25 minutes past the hour? Is
13 that okay?

14 MR. HERMAN: Yes. Fine with me.

15 THE WITNESS: Okay.

16 (A recess was taken from 10:18 a.m. to
17 10:28 a.m.)

18 BY MR. HERMAN:

19 Q. All right. So I'd like to move on to Exhibit
20 106. That's the Krishman prior art reference.

21 A. Okay.

22 Q. I'll put a copy of that in the chat, but if
23 you've got a paper copy, you're welcome to use that.

24 A. Okay. Let me get that.

25 Got that here. Yeah. Okay.

1 Q. So the Krishman reference is the other prior
2 art reference you discuss in your IPR declaration,
3 right?

4 A. That's correct.

5 Q. Now, if you could turn to column 1 of
6 Krishman.

7 A. Okay. Just give me a second here. All
8 right. I've got the -- got to get through the -- the
9 figures here. Oh, my goodness. There we go. It's
10 page 7.

11 All right. I'm there. I'm sorry for the delay.

12 Q. And in column 1, there's a section entitled
13 "Summary"; is that right?

14 A. That's correct.

15 Q. And at about line 36 of that Summary section,
16 there's a sentence that reads, "An emergency caller is
17 asked to establish a trusted data channel (e.g., a
18 WebRTC call) with a PSAP system and then provide their
19 perspective about the event via the data channel,"
20 right?

21 A. (No audible response.)

22 Q. Sorry. That begins at line 41.

23 A. Yeah, yeah. I see that. I -- I see that. I
24 just want to -- I just want to read the sentence or two
25 above it so I understand.

1 Okay. Yes. So I do see that. I think it's --
2 it's important, though, to look at that sentence with
3 respect to an earlier sentence that -- that starts out
4 on line 38. It says, "In one embodiment, a secondary
5 channel (e.g., a data channel) is utilized as a
6 mechanism..."

7 So it's describing this emergency -- this trusted
8 thing as a secondary channel. Okay. I see that.

9 Q. And the paragraph concludes by noting that
10 the PSAP can use information incoming -- I got to skip
11 to the parenthetical, but to help determine which
12 caller gets through to the PSAP agent first and which
13 callers wait, right?

14 A. Yes. The remainder of that paragraph does --
15 does say they can build a picture of the scenario to
16 determine which caller gets through first. Yes.

17 Q. So, generally, this is referring to a system
18 that collects information first and then uses that
19 collect -- collected information to determine the order
20 in which callers get to talk to a PSAP agent, correct?

21 MR. SINCLAIR: Objection; form.

22 THE WITNESS: There -- there is a description
23 of this particular embodiment like the other reference
24 there. There are multiple embodiments. The Krishman
25 reference goes on, you know, in some places to talk

1 about another embodiment.

2 But yes. In this particular embodiment, the
3 portion of the summary you pointed to does, as you
4 describe, allow the emergency services agent to make
5 some decisions about priority.

6 Again, I don't recall citing to this particular
7 embodiment or portion of it in forming my opinion, but
8 it is as you read it.

9 BY MR. HERMAN:

10 Q. Now, you can put that aside. Let's go back
11 to Exhibit 1003, which is your IPR declaration.

12 A. Okay.

13 Okay. I'm there.

14 Q. And if you could turn to page 27.

15 A. Okay.

16 27. Okay.

17 Q. And 27 is part of your declaration where
18 you're describing your understanding of the law,
19 correct?

20 A. Let me just look back and get the context.

21 Yes. This is -- this is under my understanding of
22 the concept of obviousness. That's correct.

23 Q. And on page 27, the word "motivation" appears
24 several times, correct?

25 A. Motivation appears at least once. It -- it

1 appears, yes, more than once.

2 Q. Now, if you could turn all the way down to
3 page 55 of your declaration.

4 A. Okay. 55.

5 Okay.

6 Q. There's a section on page 55 entitled
7 "Motivation" that is the section that begins on page 55
8 titled "Motivation," correct?

9 A. Yes, that's correct.

10 Q. And this is part of your discussion of the
11 Ramanujaiaha reference, right?

12 A. Yes. It's with respect to the Limitation 1G
13 of establishing a WebRTC communication session.

14 Q. And paragraphs 95 and 96 include your
15 opinions why, in your view, a person of the ordinary
16 skill in the art would have employed WebRTC to transmit
17 video communications in Ramanujaiaha, correct?

18 A. Yes. But -- but to be clear is I -- I
19 indicate -- I believe the Ramanujaiaha reference
20 discloses this limitation under the section 102,
21 Anticipation, without any need to consider any
22 obviousness criteria. But to the extent there's any
23 dispute as to whether it discloses it under the
24 Obviousness section, then I do provide this additional
25 motivation.

1 But I -- I maintain that I believe it -- it
2 discloses it under the legal concept, as I understand
3 it, of section 102, Anticipation, as well.

4 Q. Now, I think, as you noted, this particular
5 Motivation section appears underneath of claim element
6 1G; is that right?

7 A. That's correct.

8 Q. You did not include a similar or another
9 motivation section under any of the other claim
10 elements that you discuss in connection with
11 Ramanujaiaha; is that right?

12 A. I think I may have made some other comments
13 about -- about motivation. I would have to go back
14 and -- and look, but I did include it here.

15 Q. But sitting here today, you don't remember
16 putting a similar section underneath of any of the
17 other claim limitations in your Ramanujaiaha section of
18 your declaration, correct?

19 A. I -- I have some -- some memory of it.
20 I -- I'd like to look -- take a moment just to look,
21 because I -- I want to make sure I'm giving you an
22 accurate answer here. Let me just -- just a moment.

23 Yeah. I think I -- I also included it in -- in
24 Ground 2, where I was talking about the same -- the
25 same claim element, I think. Yeah. So it was also in

1 Ground 2 talking about the same claim element.

2 Q. So that's on page 87 of your declaration; is
3 that right?

4 A. Let's see. I just closed it. Let me look
5 again. I think you're right.

6 Yes. That's -- that's correct. Yeah. But it is
7 a second -- it's -- it's Ground 2 where Ramanujaiaha
8 and -- combination of Ramanujaiaha and Krishman.

9 Q. And so, there's a section in Ground 2. It
10 would be the combination of the Ramanujaiaha and
11 Krishman reference where you have a discussion, the
12 motivation to combine also in connection with Claim
13 Limitation or element 1G. True?

14 A. Yes. That's correct.

15 Q. But in both of those sections in your Ground
16 1 and in Ground 2, the motivation to combine section
17 appears in connection with claim element 1G, correct?

18 A. That's correct.

19 Q. There's not a motivation-to-combine section
20 in connection with any of the other claimed elements,
21 correct?

22 A. That's -- I believe that's correct.

23 MR. HERMAN: I don't have any further
24 questions.

25 MR. SINCLAIR: Okay. Can we just go off the

1 record for five minutes quick?

2 We'll figure out if there's any questioning on our
3 end.

4 MR. HERMAN: Sure.

5 MR. SINCLAIR: Great. Okay. We'll come
6 back. Let's say, 12:45 we can come back -- sorry.
7 10:45 Pacific Time.

8 THE WITNESS: Okay. Five minutes. Yeah.

9 MR. SINCLAIR: Yeah. Okay.

10 (A recess was taken from 10:40 a.m. to
11 10:44 a.m.)

12 MR. SINCLAIR: Thank you for your time today,
13 Dr. -- or Mr. Lipoff, and the court reporter, as well.

14 MR. HERMAN: I think we're done. Thank you,
15 Mr. Lipoff, and the court reporter, as well.

16 THE WITNESS: Okay. Thank you, everybody.
17 Take care.

18 MR. SINCLAIR: Thanks, Patrick.

19 And thanks, Paige.

20 THE REPORTER: Counsel, before we disconnect,
21 may I just confirm your orders for the record?

22 Mr. Herman, is there any rush on the transcript,
23 or is normal course okay?

24 MR. HERMAN: There is a rush. I probably
25 need it next Wednesday at the latest.

1 THE REPORTER: Okay. You took the real-time.
2 Do you need a rough draft?

3 MR. SINCLAIR: No. We don't need one.
4 Why don't we do the rush on the final.

5 THE REPORTER: Okay. Thank you, Counsel.

6 (The deposition concluded at 10:46 a.m.)

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STATE OF NEVADA)
) ss:
COUNTY OF CLARK)

I, Paige M. Christian, CCR #955, Registered Merit Reporter, Certified Realtime Reporter, Certified Realtime Captioner, do hereby certify:

That on Friday, March 20, 2026, at 9:01 a.m., appeared remotely before me STUART J. LIPOFF, the witness whose deposition is contained herein; that prior to being examined, he was by me duly sworn to testify to the truth, the whole truth, and nothing but the truth;

That the deposition was taken down by me in machine shorthand and was thereafter reduced to typewriting under my direction and supervision; that the foregoing represents, to the best of my ability, a true and correct transcript of the proceedings had in the foregoing matter;

That a request for an opportunity to review and make changes to this transcript:

was made by the deponent or a party (and/or their attorney) prior to the completion of the deposition.

X was not made by the deponent or a party (and/or their attorney) prior to the completion of the deposition. was waived.

I further certify that I am not an attorney for, nor related to, any of the parties hereto, nor in any way interested in the outcome of the cause.

In witness whereof, I have hereunto subscribed my name.

Dated this 24th day of March, 2026, in Clark County, Nevada.



Paige M. Christian, CCR #955
Registered Merit Reporter
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DECLARATION UNDER PENALTY OF PERJURY

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I, Stuart J. Lipoff, do hereby certify that I have read the foregoing transcript of my deposition taken on Friday, March 20, 2026; that I have made such corrections as appear noted on the Deposition Errata Page, attached hereto, signed by me; that same is now a true and correct transcript of my testimony.

Dated this _____ day of _____, 2026,
at _____, Nevada.

Stuart J. Lipoff

1 ERRATA LIST

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