

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

3 -----
4 MOTOROLA SOLUTIONS, INC.,
5 Petitioner

6 vs

7 STA GROUP LLC,
8 Patent Owner

9 -----
10 Case IPR2023-01292
11 U.S. Patent No. 7,324,802

12 Oral deposition of

13 ROBERT AKL, Ph.D.

14
15 VIA VIDEO/TELECONFERENCE

16 FRIDAY, SEPTEMBER 13, 2024

17 9:57 a.m. EASTERN TIME
18

19
20 Job No.: 552490

21 Pages: 1 - 82

22 Reported by: Lisa V. Feissner, RDR, CRR, CLR

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

Oral deposition of ROBERT AKL, Ph.D., held
REMOTELY, via Zoom, on FRIDAY, SEPTEMBER 13, 2024,
beginning at 9:57 a.m., pursuant to Notice, before
Lisa V. Feissner, RDR, CRR, CLR, Notary Public.

1 A P P E A R A N C E S:

2 ON BEHALF OF PETITIONER:

3 CLARKE STAVINOHA, ESQUIRE

4 MATTHEW THOMPSON, ESQUIRE (NY office)

5 BAKER BOTTS

6 2001 Ross Avenue

7 Suite 900

8 Dallas, TX 75201-2980

9 214.953.6484

10 clarke.stavinoha@bakerbotts.com

11 matthew.thompson@bakerbotts.com

12

13 ON BEHALF OF PATENT OWNER:

14 JARED R. LUND, ESQUIRE

15 KYLE M. KANTAREK, ESQUIRE

16 K&L GATES LLP

17 70 West Madison Street

18 Suite 3300

19 Chicago, IL 60602

20 312.807.4287

21 jared.lund@klgates.com

22 kyle.kantarek@klgates.com

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

C O N T E N T S

EXAMINATION OF ROBERT AKL, Ph.D.	PAGE
By Mr. Stavinocha	5

E X H I B I T S

(Attached to transcript)

DEPOSITION EXHIBIT	PAGE
(None marked.)	

P R E V I O U S L Y

M A R K E D E X H I B I T S

(Referenced - not attached)

EXHIBITS	PAGE
Motorola Solutions, Inc. Exh. 1001	11
Motorola Solutions, Inc. Exh. 1004	11
Motorola Solutions, Inc. Exh. 1007	12
STA Group Exhibit 2007	9
STA Group Exhibit 2008	20

1 P R O C E E D I N G S

2 ROBERT AKL, Ph.D.,

3 having been first duly sworn, was examined and
4 testified as follows:

5 EXAMINATION

6 BY MR. STAVINOHA:

7 Q Good morning, Dr. Akl.

8 A Good morning.

9 Q Could you please state your full name for
10 the record, please.

11 A Robert Akl.

12 Q Dr. Akl, where do you reside?

13 A Dallas, Texas.

14 Q You've been deposed before, correct?

15 A Yes.

16 Q About how many times would you say that
17 you've been deposed?

18 A 150 times.

19 Q Okay. So you understand that I'm going
20 to be asking you a series of questions today during
21 this deposition?

22 A Yes.

1 Q And you understand that you took an oath
2 to tell the truth?

3 A Yes.

4 Q Are you under the influence of any
5 medication today?

6 A No.

7 Q Is there any reason why you would not be
8 able to fully, accurately, and honestly answer my
9 questions today?

10 A No.

11 Q If you don't understand any of my
12 questions, please let me know. Otherwise, I'll
13 assume that you understood the question.

14 Does that sound good?

15 A Yes.

16 Q All right. And I'll try to take a break
17 every hour or so. But if you need one before then,
18 just let me know. The only thing I'll ask is if
19 there's a question pending, I'd like you to answer
20 the question before we take the break.

21 Where are you located today, Dr. Akl?

22 A In Dallas, Texas.

1 Q Are you alone in the room?

2 A Yes.

3 Q What equipment are you using for today's
4 deposition?

5 A A Mac computer.

6 Q Do you have a phone with you in the room?

7 A Yes.

8 Q Do you agree not to use that phone during
9 the questioning today?

10 A Yes.

11 Q Do you have any chat windows open on your
12 computer?

13 A Just Zoom.

14 Q Okay. So no separate communication
15 applications with counsel or anything like that?

16 A Correct.

17 Q Do you have hard copies of any documents
18 in front of you today?

19 A Partly.

20 Q What do you mean by "partly"?

21 A What I have in front of me, the two pages
22 out of the petition which are pages XI and XII,

1 which have the claim 1 listed with the numbering for
2 limitations, because I use that.

3 I also have in front of me the first
4 three pages of my declaration, which basically has
5 the cover page and my table of contents.

6 These are the only printed documents in
7 front of me.

8 Q Are those clean copies of the two pages
9 out of the petition and the first three pages of
10 your declaration?

11 A Yes.

12 Q Do you have electronic copies of any
13 documents accessible to you?

14 A Yes.

15 Q What are those documents?

16 A I have my declaration, which is
17 Exhibit 2007. I have my CV, which is Exhibit 2008.
18 I have the patent, which is Exhibit 1001. I have
19 Ohel, which is Exhibit 1004. And I have Nigawara,
20 which is Exhibit 1007.

21 Q Are those clean copies?

22 A Yes.

1 Q So Dr. Akl, you've provided testimony in
2 connection with IPR 2023-01292, correct?

3 A Yes.

4 Q IPR 2023-01292 concerns U.S. Patent No.
5 7,324,802, correct?

6 A Yes.

7 Q If I refer to the '802 patent, you'll
8 understand that I'm referring to U.S. Patent No.
9 7,324,802?

10 A Yes.

11 Q And if I refer to the '802 patent IPR,
12 you'll understand that I'm referring to IPR
13 2023-01292?

14 A Yes.

15 MR. STAVINOHA: I'm going to go ahead and
16 share in the chat previously marked Exhibit 2007
17 from the '802 patent IPR.

18 (Previously marked Exhibit 2007 presented
19 to the witness.)

20 BY MR. STAVINOHA:

21 Q Let me know when that's come through,
22 Dr. Akl.

1 A I see it; I downloaded it; and I have it
2 open.

3 Q Great. Dr. Akl, do you recognize this
4 document?

5 A Yes.

6 Q Exhibit 2007 is the declaration that you
7 submitted in the '802 patent IPR, correct?

8 A Yes.

9 Q And if I refer to your declaration,
10 you'll understand that I'm referring to
11 Exhibit 2007?

12 A Yes.

13 Q Could you turn to page 72 of your
14 declaration for me, please.

15 A I'm there.

16 Q Dr. Akl, is this your signature?

17 A Yes.

18 Q And did you sign your declaration on June
19 25th, 2024?

20 A Yes.

21 MR. STAVINOH: I'm going to share
22 previously marked Exhibit 1001 in the chat.

1 (Previously marked Exhibit 1001 presented
2 to the witness.)

3 BY MR. STAVINOHA:

4 Q Just let me know when you have that
5 opened up.

6 A I do have it open.

7 Q Do you recognize Exhibit 1001?

8 A Yes.

9 Q Exhibit 1001 is the '802 patent, correct?

10 A Yes.

11 Q All right. A couple more of these, and
12 then we'll be ready to dig in.

13 MR. STAVINOHA: So I'm going to now share
14 previously marked Exhibit 1004 from the '802 patent
15 IPR.

16 (Previously marked Exhibit 1004 presented
17 to the witness.)

18 BY MR. STAVINOHA:

19 Q And if you'll just let me know when you
20 have that open, please.

21 A I have it open.

22 Q Exhibit 1004 is U.S. Patent Application

1 Publication No. 2004-0117859 by Ohel, correct?

2 A Yes.

3 Q If I refer to Ohel, you'll understand
4 that I'm referring to Exhibit 1004?

5 A Yes.

6 MR. STAVINOHHA: Now I'm going to share
7 previously marked Exhibit 1007.

8 (Previously marked Exhibit 1007 presented
9 to the witness.)

10 BY MR. STAVINOHHA:

11 Q If you could just let me know when you
12 have that opened up.

13 A I have it open.

14 Q Okay. Exhibit 1007 is U.S. Patent
15 No. 4,914,705 by Nigawara, correct?

16 A Yes.

17 Q And if I refer to Nigawara, you'll
18 understand that I'm referring to Exhibit 1007?

19 A Yes.

20 Q Okay. You can just -- if you can keep
21 those accessible, we're going to be kind of going
22 back and forth today.

1 But I'd like to start with paragraph 18
2 of your declaration, Exhibit 2007, which begins on
3 PDF page 11.

4 A I am there.

5 Q Paragraph 18 of your declaration is the
6 first paragraph in the section titled, Materials
7 Relied Upon in Forming My Opinions.

8 Do you see that?

9 A Yes.

10 Q Paragraph 18 sets forth the documents you
11 relied on upon in forming your opinions, correct?

12 A Yes.

13 Q Does paragraph 18 accurately reflect the
14 materials that you relied upon in forming your
15 opinions in your declaration?

16 A Yes.

17 Q Did you review any materials in addition
18 to what is identified in paragraph 18 of your
19 declaration?

20 A Can you be more specific?

21 Q Did you review any documents in forming
22 your opinions that are not identified in

1 paragraph 18?

2 A No.

3 Q Did you review any other evidence in
4 forming your opinions that's not identified in
5 paragraph 18?

6 A No.

7 Q You state in paragraph 18 that you
8 reviewed exhibits accompanying the petition for
9 Inter Partes Review of the '802 patent.

10 Do you see that?

11 A Yes.

12 Q Did you review all of the exhibits
13 submitted with the petition?

14 A No.

15 Q Do you recall which exhibits submitted
16 with the petition that you did review?

17 A I believe I reviewed the institution
18 decision.

19 Q Okay. So the institution decision
20 wouldn't have been an exhibit submitted with the
21 petition.

22 I'm trying to get at which materials --

1 which exhibits from the petition for Inter Partes
2 Review that you reviewed in forming your opinions.

3 A I think just the ones stated here. So
4 the prior art, Mr. Williams' declaration. Those are
5 what I remember.

6 Q In paragraph 18, you refer to claim
7 construction charts from the District Court matter.
8 Do you see that?

9 A Yes.

10 Q What are you referring to when you say
11 "claim construction charts" here?

12 A This was, I believe, exhibit submitted by
13 patent owner, Exhibit 2001, if my recollection is
14 right.

15 Q Okay. So you're referring to
16 Exhibit 2001, which is the joint claim construction
17 charts, okay. That answers my question.

18 Dr. Akl, are you aware of any evidence
19 that is inconsistent with the opinions that you
20 provide in your declaration?

21 A I am not.

22 Q Are you aware of any testimony that you

1 have previously given that is inconsistent with the
2 opinions that you provide in your declaration?

3 A I am not.

4 Q Who participated in creating your
5 declaration?

6 A It was a collaborative effort with
7 counsel.

8 Q What counsel participated?

9 A Counsel present here today, Jared Lund.

10 Q And that's it, just Mr. Lund?

11 A There may be one or two other people from
12 the law firm that at different points in time were
13 also present on calls that were part of the
14 collaborative process.

15 Q Do you remember the names of the other
16 people from the law firm?

17 A Not off the top of my head, no.

18 Q Did you type your declaration?

19 A Yes.

20 Q Did you carefully check every citation in
21 your declaration to be sure the citations were
22 accurate?

1 A I didn't double-check, if that's what
2 you're asking me. I don't have any corrections at
3 this time.

4 Q And did you carefully check every
5 quotation in your declaration to be sure the
6 quotations were accurate?

7 A I didn't double-check, but I don't have
8 any corrections at this time.

9 Q What did you do to prepare for today's
10 deposition?

11 A I had a call with counsel last week.

12 Q And did that call include Mr. Lund and
13 the one or two other people from the law firm whose
14 names you don't recall?

15 A Yes.

16 Q And how long did that call last?

17 A Maybe a couple hours.

18 Q Did you do anything else to prepare for
19 this deposition?

20 A Yes. I reviewed my declaration and the
21 exhibits that I relied upon in my declaration.

22 Q Anything else?

1 A That's it.

2 Q Okay. Dr. Akl, you're being compensated
3 for your work on the '802 patent IPR, correct?

4 A Yes. I am paid for my time.

5 Q Are you charging an hourly rate for your
6 work in connection with the '802 patent IPR?

7 A Yes.

8 Q And what's the hourly rate you're
9 charging?

10 A \$795 an hour.

11 Q Is that your standard consulting rate?

12 A Yes. I mean, it was when I was retained.

13 Q Fair enough.

14 I assume it's higher now?

15 A Yes. This is the same rate that I was
16 retained by the first District Court a couple years
17 ago.

18 Q Gotcha. Are you receiving any other
19 compensation besides the hourly compensation?

20 A No. I have no financial interest in this
21 matter.

22 Q How much have you billed so far on the

1 '802 patent IPR?

2 A Around 20 hours.

3 Q And would you say that the around
4 20 hours figure represents the amount of time that
5 you've spent on the '802 patent IPR?

6 A Yes. That's fair.

7 Q Did you have any assistants or employees
8 help you with your work on the '802 patent IPR?

9 A No.

10 Q Have you ever been an expert for the law
11 firm K&L Gates that's represents STA Group LLC in
12 this IPR?

13 A Yes.

14 Q How many times?

15 A If you provide me Exhibit 2008, I can
16 answer your question.

17 Q So it's on your CV is what you're saying?

18 A Yes.

19 Q Gotcha. Okay.

20 Have you ever been an expert witness for
21 STA Group, LLC before?

22 A Yes.

1 Q What was the circumstance of your role as
2 an expert witness for STA Group, LLC in the past?

3 A If you provide me Exhibit 2008, I can
4 answer your question.

5 Q Sure. Let me pull that up for you.

6 MR. STAVINOHA: I'm sharing in the chat
7 Exhibit 2008.

8 (Previously marked Exhibit 2008 presented
9 to the witness.)

10 BY MR. STAVINOHA:

11 Q Let me know when you have that and have
12 opened it.

13 A I see it. I have it open.

14 Q Dr. Akl, Exhibit 2008 is your CV,
15 correct?

16 A Yes.

17 Q So my question was about the prior role
18 you served as an expert witness for STA Group, LLC,
19 and you were going to explain that to me. So I'll
20 let you go ahead.

21 A Thank you.

22 If you go to page 2, my litigation

1 support matters are numbered L1, L2, et cetera.

2 So L1 is this matter. L2 is another
3 matter where I am retained by STA Group. L8 on
4 page 3 is another matter -- this is the District
5 Court case. And I think those are it.

6 So L1, L2, and L8.

7 Q So you were retained in the related
8 District Court case in which STA Group, LLC has
9 asserted the '802 patent against Motorola Solutions,
10 Inc., right?

11 A Yes. That's, I believe, L8.

12 Q Okay. Did you provide testimony
13 regarding alleged infringement of the '802 patent in
14 the District Court case?

15 MR. LUND: Objection, scope.

16 A I wrote an expert report regarding
17 infringement for one of the patents in that case.

18 Q And was that the '802 patent?

19 A I don't recall.

20 Q Is your testimony in the District Court
21 case consistent with your testimony in the '802
22 patent IPR?

1 MR. LUND: Objection, scope.

2 A I didn't review what I submitted in the
3 District Court case, but they should be. I mean,
4 off the top of my head, I do not see a reason -- in
5 both cases, I followed legal principles from
6 counsel.

7 Q Are you aware that patent claims are
8 supposed to be interpreted consistently for purposes
9 of validity and infringement?

10 A Yes, that is my understanding, and I
11 submitted a rebuttal expert report regarding
12 validity also in the District Court case.

13 Q Approximately how many times would you
14 say you've served as an expert witness in a patent
15 case?

16 A Over 200 times, or around 200 times.

17 Q Have you ever offered an opinion that a
18 patent isn't valid?

19 A Yes.

20 Q Have you rendered any opinions that are
21 unfavorable to STA Group, LLC in your declaration?

22 A I don't understand the question.

1 Q Have you rendered any opinions that are
2 contrary to positions STA Group, LLC has taken in
3 any matters that you're aware of?

4 MR. LUND: Objection, scope.

5 A I don't know the positions they've taken,
6 so I can't answer that question.

7 Q Did you talk with any other experts
8 before forming your opinions in the '802 patent IPR?

9 A No.

10 Q Did you talk with anyone at STA Group,
11 LLC before forming your opinions?

12 A No.

13 Q What opinions were you asked to provide
14 in your declaration?

15 A I was asked to read the petition, read
16 Mr. Williams' declaration, and to provide rebuttal
17 opinions.

18 Q And those opinions relate to whether the
19 claims of the '802 patent would have been obvious to
20 a person of skill in the art, correct?

21 A Yes. I believe there are two grounds in
22 the petition that I provided rebuttal opinions on.

1 Q What is your understanding of
2 obviousness, Dr. Akl?

3 A I provide a legal understanding that I
4 get from counsel in section 4. Specifically,
5 paragraphs 25 through 29 address my understanding of
6 obviousness.

7 Q Are you familiar with the phrase "person
8 of ordinary skill in the art"?

9 A Yes.

10 Q What is your understanding of a person of
11 ordinary skill in the art?

12 A I provide my understanding of what a
13 person of ordinary skill in the art is in paragraph
14 30, and I provide the qualifications of that -- or I
15 address the qualifications in paragraph 31 and 32.

16 Q Paragraph 31 of your declaration sets out
17 the petition's articulation of the level of skill in
18 the art.

19 Do you see that?

20 A Yes.

21 Q Is that the level of skill in the art
22 that you applied in rendering your opinions?

1 A Yes.

2 Q Go to paragraph 22 of your declaration,
3 please.

4 A I am there.

5 Q Okay. In this section, you state that
6 you were asked to apply the plain and ordinary
7 meaning of the claim terms consistent with the
8 specification.

9 Do you see that?

10 A Yes.

11 Q Are the opinions in your declaration
12 based on your understanding of the plain and
13 ordinary meaning of the claim terms of the '802
14 patent?

15 A Yes.

16 Q And in your declaration, you have not
17 proposed a construction for any of the terms recited
18 in the claims of the '802 patent, correct?

19 A I have not proposed my own construction,
20 that is correct.

21 In paragraph 38 and 39, I do provide that
22 in the District Court litigation, the parties agreed

1 on a construction, which I have also adopted.

2 Q And that's the order of steps
3 construction that you're referring to, right?

4 A That is correct.

5 Q Okay. So other than the order of steps
6 construction from the District Court case, you have
7 not offered any other constructions for purposes of
8 the '802 patent IPR?

9 A That's correct.

10 Q Okay. All right. I'd like to turn to
11 the '802 patent, which is Exhibit 1001.

12 Do you have that in front of you,
13 Dr. Akl?

14 A I do.

15 Q Okay, great.

16 I'd like to turn to Figure 1 of the '802
17 patent.

18 Do you have Figure 1 in front of you?

19 A I do.

20 Q Figure 1 illustrates an exemplary
21 environment in which the invention of the '802
22 patent operates, correct?

1 A That's fair.

2 Q Figure 1 depicts emergency communication
3 system 102.

4 Do you see that?

5 A Yes.

6 Q Emergency communication system 102
7 receives messages on a plurality of communication
8 channels, correct?

9 A In column 4, lines 6 to 8, it does say, A
10 plurality of radio messages is simultaneously
11 received by emergency communication system 102.

12 So I agree.

13 Q Now, looking at Figure 1, those
14 communication channels are illustrated by the
15 various links extending out from emergency
16 communication system 102, correct?

17 A There are lines. Some are straight lines
18 and some look like a thunderbolt.

19 It is common to designate communication
20 that is wireless through a thunderbolt and a
21 communication that is not wireless by a solid line,
22 as examples.

1 So I -- that's how a POSITA would
2 understand those lines.

3 I don't think a line is annotated by a
4 number in Figure 1.

5 Q In Figure 1, do you understand the
6 straight lines and thunderbolt lines to represent
7 communication channels?

8 A I don't believe I rendered an opinion on
9 that. But I think I answered your question.

10 Q My question was, do you understand the
11 straight lines and thunderbolts to represent
12 communication channels.

13 And I think you previously said that
14 communication that is wireless is through a
15 thunderbolt, and a communication that is not
16 wireless is indicated by a solid line.

17 Is that right?

18 A Yes. This is my answer to your question,
19 to the best of my ability.

20 Q And wireless communication and
21 communication that is not wireless would both be
22 types of communication channels.

1 Is that fair?

2 A I don't have an opinion on that.

3 Q You don't have an opinion on whether
4 wireless communication is an example of a
5 communication channel?

6 A Correct. I'm not sure exactly what
7 you're asking.

8 Q The '802 patent describes emergency
9 communication system 102 receives messages on a
10 plurality of communication channels.

11 Right?

12 A Is there a specific line you would like
13 to direct me in the specification? I've -- because
14 I don't see those exact words that you're asking me.

15 I have directed you to column 4, lines 6
16 to 9, that have a slightly different phrasing, where
17 it says, A plurality of radio messages is
18 simultaneously received by emergency communication
19 system 102.

20 Q So column 3, lines 62 to 63 states,
21 Emergency communication system 102 receives messages
22 on a plurality of communication channels.

1 A Yes, I see that.

2 Q Okay. And all I'm asking you is whether
3 you understand Figure 1 to be depicting
4 communication channels using the solid lines and
5 thunderbolt shaped lines connecting emergency
6 communication system 102 to various other elements
7 of Figure 1?

8 MR. LUND: Objection, asked and answered.

9 A Mapping what is in column 3, which starts
10 on line 52, Figure 1 illustrates an exemplary
11 environment, with the phrase that you read, it seems
12 consistent with the figure that the lines drawn to
13 emergency communication 102 could be examples of a
14 plurality of communication channels on which
15 messages are received.

16 Q The example embodiment of Figure 1,
17 emergency communication system 102 is depicted as
18 coupled to police dispatcher 104 using one channel,
19 correct?

20 A No. I would disagree with that
21 characterization.

22 Q There is a solid line connecting police

1 dispatcher 104 to emergency communication system

2 102, correct?

3 A Yes.

4 Q Emergency communication system 102 is

5 also coupled to two fire dispatchers 104 using

6 respective straight lines, correct?

7 A Yes.

8 Q And you testified previously that the

9 straight lines are generally used to indicate wired

10 communication.

11 Is that right?

12 A Yes.

13 Q In addition to the dispatchers, emergency

14 communication system 102 is also shown as connected

15 to dedicated IP phone 106, right? Let me ask that

16 question again.

17 In addition to the dispatchers, emergency

18 communication system 102 is also shown connected to

19 IP phone 106 using a straight line, correct?

20 A Yes.

21 Q And Figure 1 also shows emergency

22 communication system 102 coupled to two users 106

1 over respective lines, correct?

2 MR. LUND: Objection, form.

3 A Two separate lines, one that looks like
4 would be an example of a wireless, and one that
5 looks like an example of a wire line in Figure 1.

6 Q Okay. Let's turn to the claims of the
7 '802 patent, which begin in column 9 of
8 Exhibit 1001.

9 A I am there.

10 Q Dr. Akl, you're familiar with the claims
11 of the '802 patent, correct?

12 A Yes.

13 Q And as part of rendering your opinions in
14 your declaration, is it fair to say that you
15 considered any potential differences between the
16 claims of the '802 patent and the prior art relied
17 upon in the petition?

18 A At a high level, I reviewed the prior art
19 and provided opinions if the prior art discloses all
20 the elements in the claim, the challenged claims.

21 Q Okay. So let's turn to claim 1 of the
22 '802 patent, which begins in column 9 at line 43.

1 Please take a second to read claim 1 and
2 let me know when you're done.

3 A I read it.

4 Q So I'd like to start by focusing your
5 attention on the preamble of claim 1. Do you know
6 what I mean when I say "preamble"?

7 A Yes.

8 Q Okay. So the preamble of claim 1
9 recites, A method of managing communication in a
10 communication system, the communication system
11 receiving messages from a plurality of channels, the
12 method comprising, and then there's a colon.

13 Do you see that?

14 A Yes.

15 Q And then the claim recites seven steps.
16 Is that right?

17 A That's fair.

18 Q Do you have an understanding of the
19 significance of using the word "comprising" in the
20 preamble?

21 A I am not a lawyer, and I am not here to
22 answer legal questions.

1 I do have an understanding of legal
2 principles from counsel.

3 And with "comprising," my recollection,
4 means that it needs to have these steps, but it
5 could have other things also.

6 Q Okay. The preamble of claim 1 introduces
7 "a communication system," which is referred later in
8 the claim as "the communication system," correct?

9 A Yes.

10 Q The preamble of claim 1 does not limit
11 the communication system to an emergency
12 communication system, correct?

13 A I don't see the word "emergency" in the
14 preamble.

15 Q And if you don't see the word in the
16 claim, is it your understanding that the subject
17 matter of that word is not required by the claim?

18 MR. LUND: Objection, form.

19 A No, that is not my understanding. I
20 would disagree with that.

21 My understanding is -- of legal
22 principles that I get from counsel are that claims

1 are read or understood by a POSITA in light of the
2 specification.

3 The word "emergency" does appear, like,
4 50 times, I think, in the specification.

5 That is my answer to your question.

6 (Cross-talk.)

7 Q I'm sorry, Dr. Akl. Were you finished?

8 A Yes.

9 Q Okay. Given that the word "emergency"
10 does not appear in the claim, is it your
11 understanding that communication systems that are
12 not emergency communication systems are within the
13 scope of the claim?

14 MR. LUND: Objection, form.

15 A I don't have an opinion on that one way
16 or the other. That's not something I provided an
17 opinion on in my declaration.

18 But I answered your question to the best
19 of my ability in terms of what my understanding is
20 of the legal principles.

21 Q Okay. Thanks for that clarification.

22 All right. Let's look at the next aspect

1 of the preamble here. The preamble also introduces
2 "a plurality of channels."

3 Do you see that?

4 A Yes.

5 Q And that's referred to later in the claim
6 as "the plurality of channels," correct?

7 A I do see that also.

8 Q The preamble of claim 1 does not require
9 that the plurality of channels include a multiparty
10 communication channel, correct?

11 A I don't see those specific words in
12 claim 1.

13 Q Are there other types of channels besides
14 multiparty communication channels?

15 A You mean in the field in general? I'm
16 not sure what you're asking me, if you're asking me
17 within the specification or within the patent or in
18 the field or in vacuum. Your question is vague.

19 Q Let's start with in the field.

20 A I would say yes.

21 Q And a person of skill in the art would
22 understand that within the field, there are other

1 types of channels besides multiparty communication
2 channels?

3 A I think in vacuum, in the field, there
4 are different types of communication channels, yes.

5 And my answer is not focusing on the
6 specification of the '802, just to be clear.

7 Q Let me ask the question again.

8 A person of skill in the art would
9 understand that in the context of the '802 patent
10 specification, there are other types of channels
11 besides multiparty communication channels, correct?

12 A I would have to -- I don't have an answer
13 for you from memory. I would have to review if the
14 specification discloses that or not to a POSITA. I
15 don't believe I've rendered an opinion on that.

16 Q Does the '802 patent ever use the term
17 "multiparty communication channel"?

18 A I don't know. I don't recall if those
19 words explicitly appear. I don't think they
20 explicitly appear per se as -- like, that phrase
21 exactly.

22 The disclosure does -- there are other

1 words that would imply such a system. An emergency
2 communication system would be an example of a system
3 where different people can talk.

4 So there's -- so maybe those specific
5 words are not explicitly stated, but a POSITA would
6 understand that by the other disclosures in the
7 specification.

8 Q Okay. Again, "emergency communication
9 system" is not recited in claim 1, correct?

10 MR. LUND: Objection, form.

11 A I think you already asked me that
12 question, and I provided my response earlier.

13 Q And just to clarify, you agreed that
14 "emergency communication system" is not recited in
15 claim 1, correct?

16 MR. LUND: Objection, form.

17 A I answered your question by stating that
18 my understanding of legal principles is that the
19 claims are read in light of the specification. The
20 specification uses the word "emergency" over
21 50 times, but that word does not appear exactly in
22 the claims.

1 Q Let's turn to the first limitation after
2 the preamble, which we can refer to as limitation
3 1A.

4 Limitation 1A recites, receiving a first
5 message on a first dedicated channel from amongst
6 the plurality of channels at the communication
7 system, the plurality of channels being dedicated to
8 different entities, the first dedicated channel
9 being dedicated to receiving messages from a first
10 entity.

11 Did I read that correctly?

12 A I think so.

13 Q So limitation 1A introduces a first
14 dedicated channel, correct?

15 A Yes.

16 Q Limitation 1A does not recite that the
17 first dedicated channel is a multiparty
18 communication channel, correct?

19 MR. LUND: Objection, form.

20 A I think you've asked me that question
21 before with regard to the claim in general.

22 And my response to the claim in general

1 applies to this limitation as well, that those words
2 specifically do not appear, but again, my
3 understanding of legal principles is that the claims
4 are read in light of the specification.

5 Q Dr. Akl, are you aware that particular
6 limitations from the specification are not supposed
7 to be read into the claims?

8 MR. LUND: Objection, form.

9 A I do have an understanding of legal
10 principles from counsel. I am not here to answer
11 legal questions.

12 But I have been -- I have -- I do
13 understand that there are legal principles that
14 relate to what you incorporate and what you don't
15 incorporate, and you don't pull in limitations
16 per se from the specification into the claims.

17 But again, I'm not a lawyer, and I'm not
18 here to answer legal questions.

19 Q Let's turn to the next limitation, which
20 we can refer to as limitation 1B.

21 Limitation 1P recites, receiving a second
22 message on a second dedicated channel being

1 dedicated to receiving messages from a second entity
2 from amongst the plurality of channels at the
3 communication system, the second message overlapping
4 with the first message in time.

5 Did I read that correctly?

6 A Yes.

7 Q So limitation 1B introduces a second
8 dedicated channel, correct?

9 A Yes.

10 Q And limitation 1B does not require that
11 the second dedicated channel be a multiparty
12 communication channel, correct?

13 MR. LUND: Objection, form.

14 MR. STAVINOHA: Counsel, what's the basis
15 for your objection?

16 MR. LUND: Asked and answered.

17 MR. STAVINOHA: I believe this is the
18 first question I've asked regarding the second
19 dedicated channel.

20 MR. LUND: Yeah, earlier you asked about
21 claim 1 requiring a multiparty communication
22 channel. Dr. Akl has responded multiple times that

1 it does not include the claim of the multiparty
2 carrier channel, which includes 1A and 1B.

3 Whether you narrow it to certain
4 limitations does not disturb my point there.

5 MR. STAVINOHA: Okay.

6 Q Dr. Akl, if you could please answer my
7 question.

8 A I've already answered the question. The
9 answer that I've given you now twice regarding the
10 previous limitation and the claim as a whole
11 applies.

12 Q Yeah, so I maintain this is a separate
13 question regarding the second dedicated channel,
14 which is a different claim element from the first
15 dedicated channel.

16 And my question is (inaudible) which
17 we're addressing for the first time now, does not
18 require that the second channel be a --

19 (Reporter interruption.)

20 Q So again, I'm asking about limitation 1B,
21 which we just got to, which introduces a limitation
22 called a second dedicated channel.

1 And my question is, limitation 1B does
2 not require that the second dedicated channel be a
3 multiparty communication channel, correct?

4 MR. LUND: Objection, form.

5 A I've already answered that question
6 regarding the claim as a whole, which includes
7 limitation 1B.

8 And so my answer is the same, that my
9 understanding of legal principles is that a POSITA
10 reads the claims in light of the specification.

11 Those words do not specifically appear in
12 the claim, but that may or may not mean that the
13 claims would limit or not limit something just
14 because words appear or don't appear because you
15 have to look at what the specification is teaching a
16 person of ordinary skill in the art.

17 Q Dr. Akl, do you believe that you have an
18 understanding of the scope of the claims of the '802
19 patent?

20 A I have not provided opinions on the
21 specific scope in providing rebuttal opinions in my
22 declaration.

1 So my opinions in my declaration are
2 narrower than what you're asking me, and I'm merely
3 providing rebuttal opinions on whether the prior art
4 discloses or does not disclose a specific
5 limitation.

6 Q So you did not consider the scope of the
7 claims in forming your opinions in your declaration?

8 MR. LUND: Objection, form.

9 A I did not specifically render an opinion
10 on the scope of the claim as a whole. I rendered
11 opinions on specific limitations.

12 Q And do you have an understanding of the
13 scope of those specific limitations?

14 MR. LUND: Objection, form.

15 A I have not provided an opinion on the
16 claim as a whole; I provided opinion on specific
17 limitations whether something is disclosed or not.

18 And it's a different analysis because the
19 question of scope of a claim, at least my
20 understanding from legal principles, decides exactly
21 the boundary.

22 And the question that I was asked to

1 answer in terms of does the prior art disclose
2 something or not is a little easier in the sense
3 that if the prior art is not close to the boundary,
4 I don't need to define the boundary per se.

5 So if we think of a circle, and whether
6 it's obviously in the circle or not in the circle, I
7 don't need to address the size of the circle if my
8 opinion is clear that something does not fall in the
9 circle.

10 Q In rendering your opinions regarding
11 whether the prior art discloses a first dedicated
12 channel, as recited in limitation 1A, did you
13 consider the scope of the claim term "first
14 dedicated channel"?

15 MR. LUND: Objection, form.

16 A I considered the plain and ordinary
17 meaning, and I put myself in the shoes of a person
18 of ordinary skill in the art looking at and
19 understanding the claim in light of the
20 specification. That is my process.

21 I don't know if I specifically -- I know
22 I did not specifically render an opinion on the

1 exact scope, but doing the exercise that I did, I
2 can render an opinion whether the prior art
3 discloses or does not disclose a specific element.

4 Q You said that you considered the plain
5 and ordinary meaning.

6 Is your understanding of the plain and
7 ordinary meaning of a first dedicated channel that
8 it's limited to a multiparty communication channel?

9 A Well, the words aren't just in vacuum,
10 "first dedicated channel." There are other words in
11 the claim that describe the invention and how --
12 what's being done and how the messages are received
13 and used.

14 So I looked at all the terms in the claim
15 and how a POSITA would understand the claim in light
16 of the specification to render an opinion.

17 I did not articulate a definition for the
18 plain and ordinary meaning of any specific word.

19 Q And my question is, is your understanding
20 of the plain and ordinary meaning of "a first
21 dedicated channel," as used in limitation 1A, that
22 that term is limited to a multiparty communication

1 channel?

2 MR. LUND: Objection, form.

3 A I don't believe I specifically state it
4 that way. But I do provide an opinion in my
5 declaration how a POSITA reading the claims in light
6 of the specification and what the invention is
7 teaching where the multiparty communication channel
8 comes in.

9 MR. LUND: Counsel, I see that we've been
10 going for about an hour. I'll let you finish this
11 line of questioning if you would like. But it might
12 be a good time for a break if Dr. Akl wants one.

13 THE WITNESS: Since there isn't a
14 question pending, let's go ahead and take a break.

15 MR. STAVINOHHA: That's fine. We can take
16 a break.

17 (Recess from 11:02 a.m. until 11:12 p.m.)

18 MR. STAVINOHHA: Let's go back on the
19 record.

20 BY MR. STAVINOHHA:

21 Q Welcome back, Dr. Akl.

22 During the break, did you have

1 conversations with anyone?

2 A No.

3 Q So we've looked at limitation 1A and
4 limitation 1B so far, correct?

5 A Yes.

6 Q Limitation 1A recites "a first message,"
7 correct?

8 A Yes.

9 Q And limitation 1B recites "a second
10 message."

11 Is that right?

12 A Yes. Those words are included as part of
13 the limitation.

14 Q Claim 1 does not require receiving any
15 additional messages beyond the first and second
16 message, correct?

17 A I think that's correct. The steps
18 involve a specific message, the first message and
19 the second message. Claim 1 and claim 2 give you
20 additional information in terms of, this is a
21 message from the first dedicated channel, and the
22 first dedicated channel dedicated to receive

1 messages, plural, from a first entity.

2 So taking the entire setup into account,
3 I agree.

4 Q None of the claims of the '802 patent
5 require receiving a third message, correct?

6 A I don't have an opinion on that.

7 Q You don't have an opinion on that? Okay.
8 Did you consider the scope of the other
9 claims of the '802 patent in rendering your
10 opinions?

11 A We would need to go back to my
12 declaration.

13 I know I provided specific opinions
14 regarding claim 1, claim 5, claim 7, and claim 11.

15 Q Did you consider any of the other
16 independent claims in your declaration?

17 A I think my opinions apply. But those are
18 the main -- claim 1; claim 5, which is dependent on
19 claim 4, which depends on claim 1; claim 11 is an
20 independent claim. Those are the claims that I
21 specifically rendered opinions on.

22 And for the other claims, like some are

1 apparatus claims, some are method claims. So the
2 opinions would be similar. But that's -- I just
3 wanted to be, you know, concise in my declaration
4 and not do a lot of copy and paste.

5 Q So you're not prepared to answer the
6 question of whether any of the claims of the '802
7 patent require receiving a third message?

8 MR. LUND: Objection, form.

9 A I mean, there isn't a question I'm not
10 prepared to answer if I have an opinion on it. But
11 doing a search for the word "third," I don't see
12 coming up.

13 Q Okay. Two messages constitutes a
14 plurality of messages, right?

15 A That seems to be, like, a claim
16 construction question.

17 So the word "plurality" would have plain
18 and ordinary meaning. Again, I applied the plain
19 and ordinary meaning.

20 I think two or more is consistent with
21 the plain and ordinary meaning, but I have not
22 specifically articulated a definition on what

1 "plurality" means.

2 Q The first and second messages in claim 1
3 can be received in any order, correct?

4 A Based on the claim construction that I
5 discuss on page 19, going back to pages 19 and 20 of
6 my declaration, I understand that the receiving
7 steps 1A and 1B may be performed in any order. And
8 that's part of the agreed construction.

9 Q Nothing in the language of claim 1
10 precludes the first or second messages from being
11 prerecorded, correct?

12 A I missed the first part of your question.

13 Q I said, nothing in the language of
14 claim 1 precludes the first or second messages from
15 being prerecorded, correct?

16 A Again, the claims are read in light of
17 the specification.

18 So we looked at Figure 1, and, you know,
19 Figure 1, which you asked me about earlier, would
20 describe, you know, the users 106 that are connected
21 to a police dispatcher as one entity and the users
22 connected to one fire dispatcher as another entity.

1 I don't think the specification
2 specifically discusses prerecorded messages. And
3 it's describing really when you have communication
4 from specifically emergency, like police and fire,
5 are the embodiments.

6 So that's the best way I can answer your
7 question.

8 I think the specification is silent one
9 way or the other on whether the messages can be
10 prerecorded or not, but that's -- that would not be
11 a typical embodiment.

12 Q I was asking you about the claims
13 themselves, Dr. Akl, and we started talking about
14 the specification. I'll ask my question again.

15 Nothing in the claim language of claim 1
16 precludes the first or second messages from being
17 prerecorded, correct?

18 MR. LUND: Objection, form.

19 A I answered your question. And I answered
20 your question because a POSITA would read the claims
21 in light of the specification. And you are asking
22 me in a way about the scope. So the specification

1 is relevant to my answer to your question.

2 And I said that the word "prerecorded"
3 does not appear anywhere in the claims or in the
4 specification.

5 Q Claim 1 does not recite the term
6 "operator," correct?

7 A Claim 1 does not use the word "operator."
8 I see "operator" for the first time in claim 7,
9 which depends on claim 1. I agree.

10 Q Okay. And the first message in claim 1
11 is received at the communication system, correct?

12 A That is part of a limitation.

13 Q And the second message in claim 1 is
14 received at the communication system, correct?

15 A Again, those are subparts of a
16 limitation. I agree you're not reading verbatim and
17 skipping over some words.

18 Q Claim 1 doesn't recite a dispatcher, does
19 it?

20 A Can we go off the record just for a
21 second?

22 Q Sure.

1 (A discussion was held off the record.)

2 MR. STAVINOHAN: Okay. Let's go back on
3 the record.

4 BY MR. STAVINOHAN:

5 Q Dr. Akl, my question for you was, claim 1
6 doesn't recite a dispatcher, does it?

7 A I don't see the word "dispatcher" in
8 claim 1.

9 Q Okay. And the term "dispatcher" does not
10 appear in any of the claims of the '802 patent,
11 correct?

12 A I'm only getting a hit for "dispatcher
13 104" as the operators in the specification. So the
14 claims don't specifically say "dispatcher." The
15 specification says dispatcher 104 are the operators.

16 And we did say that "operator" did appear
17 in some dependent claims.

18 But I agree that the word "dispatcher"
19 exactly does not appear in the claims.

20 Q Okay. And the portion of the
21 specification that you're referring to is in the
22 context of the example embodiment of Figure 1,

1 correct?

2 A Yes. In column 3, lines 56 and 59,
3 describing in Figure 1, 104. That is correct.

4 Q Okay. So Dr. Akl, earlier we discussed
5 how the claims of the '802 patent only require
6 receiving two messages.

7 Do you recall that?

8 A We discussed questions related to that,
9 yes. I don't know if that specifically was my
10 opinion.

11 Q Well, so you would agree that the claims
12 recite a first message and a second message, and
13 there's no recitation of a third message, right?

14 A That's fair.

15 Q So I'd like to turn to the next
16 limitation after limitation 1B, which we can refer
17 to as limitation 1C.

18 Limitation 1C recites, determining one or
19 more priorities for the first message received on
20 the first dedicated channel from the first entity
21 and the second message received on the second
22 dedicated channel from the second entity based on at

1 least one predefined parameter.

2 Do you see that?

3 A Yes.

4 Q Okay. And just bear with me for a
5 moment. We're going to walk through some of the
6 other limitations here as well.

7 So the next limitation, limitation 1D,
8 recites, determining which message out of the first
9 message and the second message should be stored and
10 subsequently played based on the second message
11 overlapping with the first message in time and one
12 or more priorities assigned to the first and the
13 second message.

14 Correct?

15 A Yes.

16 Q Then we have two more limitations,
17 limitation 1E recites, playing the message having a
18 higher priority between the first and the second
19 message.

20 And then the following limitation,
21 limitation 1F, recites, storing at least one message
22 having a lower priority between the first and the

1 second message based on the determination.

2 Do you see that?

3 A Yes.

4 Q Limitation 1F only requires storing one
5 message, correct?

6 A It says, storing at least one message,
7 which would imply one or more. I mean, that's "at
8 least," would be the plain and ordinary meaning.

9 Q So let's assume that you have one stored
10 message. That stored message is going to be the
11 stored message having the highest priority, correct?

12 A No, I disagree.

13 Q In that scenario, there wouldn't be any
14 other stored message that has a higher priority,
15 correct?

16 A Can you repeat your question? Because I
17 disagreed with the previous one.

18 Q Yeah. So the claim requires receiving a
19 first message and a second message, right? One of
20 those messages is played, and then you store at
21 least one message, right?

22 So I'm asking you about a situation where

1 you store one message, which I think we would agree
2 is within the scope of "at least one message,"
3 correct?

4 A Yes. I'm following your hypothetical.

5 Q Okay. So you have a higher priority
6 message being played, and you have one stored
7 message. If you have one stored message, that
8 stored message is going to be the stored message
9 having the highest priority, correct?

10 MR. LUND: Objection, form.

11 A No, it has the lower priority. That's
12 why it's stored.

13 Q Yeah, but it's the stored message that
14 has the higher priority. There's no other stored
15 message that has a higher priority than the stored
16 message, correct?

17 MR. LUND: Objection, form.

18 A No. The claim says, storing at least one
19 message having a lower priority.

20 Q Correct.

21 A So the lower priority one is the one that
22 is stored, not the highest.

1 Q Correct. I'm asking you specifically
2 about, among stored messages, right, if you have one
3 stored message, that stored message is going to have
4 the highest priority of any stored message, correct?

5 MR. LUND: Objection, form.

6 A Your question doesn't make sense, because
7 if you only have one, what are you comparing it
8 with?

9 Q If you have a message that's been
10 assigned a priority, and you only have one message
11 that is stored and has been assigned a priority,
12 that message that's been stored has the highest
13 priority of any other stored message, correct?

14 MR. LUND: Objection, form.

15 A The same response applies. It's the only
16 stored message. So what are you comparing it with
17 when you say it has the highest priority? We can
18 say it has the lowest priority or the highest
19 priority or -- so having one item, you're coming up
20 with a comparison which doesn't make sense.

21 Q When you only have one message that's
22 stored, there is not another stored message that has

1 a higher priority.

2 Is that fair?

3 MR. LUND: Objection, form.

4 A You only have one message. There is no
5 other message, higher or lower priority. Like,
6 you're playing a semantics game, and that doesn't
7 make sense.

8 Q If you have one message stored, you do
9 not have another message stored that has a higher
10 priority than the one message that is stored,
11 correct?

12 MR. LUND: Objection, form.

13 A If you only have one message stored, then
14 there is no other message, period. What's coming in
15 your question after the one message stored, that
16 doesn't matter because there is no other message.
17 You can put in anything you want there, and that
18 wouldn't make sense. Because you can say --

19 (Cross-talk.)

20 A I'm sorry. You can add anything to
21 nothing, because then you have two parts of a
22 question, and the second part is never going to be

1 true because the first part is not true.

2 Q If you have no other message stored, then
3 there is no other message that would have a higher
4 priority than the stored message?

5 MR. LUND: Objection, form.

6 A Again, your question is flawed because
7 it's playing on flawed logic.

8 The period should be, there is no other
9 message, period. Anything that you're going to add
10 to that question, because there is no other message,
11 would not make sense because you can add anything
12 there, and you haven't fulfilled the first part.

13 Q I'm trying to understand your response.
14 I mean, I'm asking you, if I have one stored
15 message, right, one stored message, there is not
16 another message being stored, right? So in that
17 scenario, there would not be another message stored
18 that has a higher priority?

19 MR. LUND: Objection, form.

20 A Anything after the word "that" would not
21 make sense. Because if there is no other message
22 stored, then whatever attributes you're trying to

1 attach to something that doesn't exist would not
2 make sense.

3 Q You agree that the '802 patent
4 contemplates storing a single message, correct?

5 MR. LUND: Objection, form.

6 A It gives an example of storing at least
7 one message. I mean, the claims discuss storing at
8 least one message.

9 Q The next limitation in claim 1 recites,
10 playing the stored message subsequent to completing
11 playing of the message having higher priority.

12 Do you see that?

13 A Yes.

14 Q You'd agree that claim 1 only requires
15 playing a single stored message?

16 A The last limitation, that is correct.

17 Q Let's look at claim 6, Dr. Akl.

18 A Okay. I'm there.

19 Q Claim 6 depends from claim 1, correct?

20 A Yes.

21 Q Claim 6 recites, the method of claim 1
22 wherein determining the priority comprises assigning

1 priorities to the first message and the second
2 message based on inputs from a user.

3 Do you see that?

4 A Yes.

5 Q Claim 6 does not require that the user be
6 part of the first entity recited in claim 1,
7 correct?

8 A The word "a user" in claim 6 does not
9 have antecedent basis. That's the best way I can
10 answer your question.

11 Q Do you mean it doesn't have antecedent
12 basis in claim 1? Is that what you're saying?

13 A Yes.

14 Q Okay. Is it fair to say that nothing in
15 claim 6 ties the user back to the first entity?

16 A I don't believe I specifically have an
17 opinion on that. But -- and I don't want to try to
18 form an opinion on the fly in terms of how the term
19 "user" -- or what constitutes "a user."

20 But I can answer that saying "a user" in
21 claim 6, at least right away does not have
22 antecedent basis in claim 1.

1 Q Okay. And I've got a similar question
2 regarding the second entity.

3 Claim 6 does not require that the user be
4 a part of the second entity recited in claim 1,
5 correct?

6 A The same answer would apply.

7 Q And by "same answer," you mean you're not
8 willing to say more than that "a user" lacks
9 antecedent basis in claim 1?

10 A That's what I can answer accurately on
11 the fly without going through my declaration and
12 trying to think about the relationship between -- if
13 there is one or not, in elements in claim 1 and "a
14 user."

15 Q Dr. Akl, we've been discussing claim 1,
16 which recites "a first entity" and "a second
17 entity," correct?

18 A Yes.

19 Q Can we go to the Background of the
20 Invention section of the '802 patent, which starts
21 in column 1.

22 A I am there.

1 Q You see the subheading that says,
2 Description of Background Art?

3 A I think you skipped the word "the." I
4 don't know if you said it or not. It says,
5 Description of the Background Art.

6 Q Okay. My apologies. Thank you for that
7 correction.

8 Do you see the heading that says
9 Description of the Background Art?

10 A Yes.

11 Q Okay. Do you understand this section to
12 describe what was known in the art before the filing
13 of the '802 patent?

14 A I don't think I specifically rendered an
15 opinion one way or the other.

16 But under the heading, Description of the
17 Background Art, usually a patentee describes the
18 problem in the art and maybe describe the problem
19 that the patent is trying to solve, at a high level.

20 Q Beginning at line 15 of column 1, the
21 '802 patent states, Each emergency communication
22 system supports a plurality of communication

1 channels wherein each channel may be dedicated to a
2 group/locality/unit. For example, the fire
3 department can allocate one channel to every school
4 or other public places such as shopping malls, so as
5 to enable effective communication during an
6 emergency.

7 Do you see that?

8 A I do.

9 Q And then the next sentence beginning at
10 line 22 of column 1 states, This allocation of
11 dedicated channels to different entities results in
12 the possibility of multiple messages being received
13 in the form of radio messages on different channels
14 at one time.

15 Do you see that?

16 A Yes.

17 Q Do you agree that a group, locality, and
18 unit are examples of an entity in the context of the
19 '802 patent?

20 A I think it's easier to -- if we go back
21 to Figure 1, and I can answer your question.

22 So an entity would be the users connected

1 to the police dispatcher, but doesn't include the
2 police dispatcher. And that would be an entity.

3 And you have the -- this multichannel
4 between the different users and the police
5 dispatcher.

6 Another entity would be the users
7 connected to a fire dispatcher and wouldn't include
8 the fire dispatcher.

9 And another entity would be the other
10 users connected to a different fire dispatcher.

11 That's how a POSITA would understand
12 "entity" in the context of Figure 1.

13 Q So I'm not asking you about specifically
14 the context of Figure 1. I'm asking you about this
15 description in column 1 in the background section
16 that refers to allocation of dedicated channels to
17 different entities. And it talks about channels
18 dedicated to a group, locality, and unit, correct?

19 A Yes. And I'm answering that question in
20 the context of Figure 1, because it becomes clear,
21 the users associated with, like, the police --
22 talking with a police dispatcher, that would be an

1 example of an entity, and that would be a group or a
2 locality unit.

3 Q So are you suggesting that "entity" is
4 limited in scope to police and fire department --
5 users within the police and fire department groups
6 that you've identified in Figure 1?

7 MR. LUND: Objection, form.

8 A In Figure 1, there are only three
9 entities. The users connected to the fire is one
10 entity; the users connected to another fire
11 dispatcher is another entity; and the users
12 connected to a police dispatcher is one entity.

13 Q Is it your opinion that the claimed
14 "entity" is limited to what is depicted in the
15 example embodiment of Figure 1?

16 A No. I am giving you examples from the
17 embodiment. In Figure 1, there are only three
18 entities. There's other stuff in Figure 1. And I'm
19 showing you how, if you want to map claim 1 to
20 Figure 1, there are only three entities in Figure 1
21 that would be the claimed entity as an example of
22 mapping claim 1 to Figure 1.

1 Q Okay. And again, I'm asking you about
2 the description in the background section.

3 And you would agree that a group,
4 locality, and unit is not limited to the examples
5 that you identify in Figure 1, correct?

6 MR. LUND: Objection, form.

7 A I am using the example in Figure 1 to
8 illustrate the background.

9 So to the extent there is another entity
10 or, you know, a bunch of users connected to a
11 dispatcher for something else, that could be -- so,
12 for example, if you have a whole bunch of users
13 walking around a hospital connected to a hospital
14 dispatcher, the users would be an entity.

15 That's not in Figure 1, but that would be
16 another example. So that's what an entity is.

17 Q So my original question, which I don't
18 think you've answered, is, do you agree that a
19 group, locality, and unit are examples of an entity
20 in the context of the '802 patent?

21 MR. LUND: Objection, form.

22 A I am trying to answer your question. And

1 I'm not sure exactly what you mean by "group,
2 locality, or unit."

3 So if we think of a group, locality, or
4 unit as the users, excluding the dispatcher, then
5 the users would be the entity.

6 Q You keep bringing in users and the
7 dispatcher. And I'm referring to this particular
8 section of the '802 patent where it describes,
9 emergency communication systems supporting a
10 plurality of communication channels wherein each
11 channel may be dedicated to a group/locality/unit.

12 And then the next sentence says -- or
13 excuse me. Two sentences later, it refers to, this
14 allocation of dedicated channels to different
15 entities.

16 And so my question to you is not about
17 Figure 1. Just generally, do you agree that the
18 '802 patent contemplates a group, locality, and unit
19 as examples of an entity?

20 MR. LUND: Objection, form.

21 A My answer is the same.

22 So I have to use Figure 1 to be able to

1 answer your question; otherwise, it's too hard to
2 answer the question.

3 (Cross-talk.)

4 Q Why do you have to use Figure 1 to answer
5 my question, Dr. Akl?

6 A Well, please don't interrupt me because
7 it will make it hard for the court reporter. At
8 least allow me to finish my answer.

9 Figure 1 is a good embodiment of the
10 different elements. It shows the -- so going back
11 to the background section, where it talks about the
12 allocation of dedicated channels to different
13 entities results in the possibility of multiple
14 messages being received, and it's walking you
15 through this hierarchy.

16 To visualize this hierarchy so I can
17 answer your question, I am using Figure 1. It is in
18 the specification.

19 And so I am answering your question by
20 saying that the -- to the extent a locality or a
21 group or a unit -- an example of that is like a
22 users and a police dispatcher, then the users would

1 be the entity.

2 When you look at all the other elements
3 of how you're going to have communication channels
4 from these users and you're going to have multiple
5 messages that could come, and then the police
6 dispatcher is going to talk to an emergency
7 communication system.

8 And then you're going to have another
9 entity, which are going to be the users associated
10 with that locality or group, and those are going to
11 be talking to their own dispatcher, and then that's
12 going to be talking with an emergency communication
13 system.

14 So I keep answering your question by
15 using Figure 1, which is in the spec, as an example
16 to illustrate what is the entity that would be the
17 entity associated with a locality or a group.

18 So it would be the users of that locality
19 or group. That's the answer to your question, and
20 I'm giving you all this context so you understand my
21 response, without the police dispatcher, which may
22 be part of the locality, but that's not part of the

1 entity.

2 Q The testimony that you just gave is based
3 on Figure 1, correct?

4 A The testimony that I gave is using
5 Figure 1 as an example, but it's not limited to
6 Figure 1. And, in fact, I gave you another example
7 that doesn't rely on Figure 1. I'm just using the
8 hierarchy in Figure 1 to answer the question where,
9 right after the sentence that you read in the
10 background, it says, For example, the fire
11 department, and it says, you know, public schools or
12 a mall or so on.

13 So I'm trying to give you examples of
14 what a group or a locality or a unit is, and those
15 could be users and their own dispatcher, and out of
16 that, the users would be the entity.

17 Q One example of an entity that you give in
18 your declaration is the police force, right?

19 A If we go to my declaration, I think I
20 make it clear. There's multiple places.

21 So, for example -- so if we look at
22 paragraph 58, I state, A POSITA understands that

1 dispatchers and operators are not users and are not
2 part of an entity.

3 So the police officers that are talking
4 to a dispatcher would be the entity with that, but
5 the dispatcher would not be an entity -- would not
6 be part of the entity.

7 Q Dr. Akl, my question was just, one of the
8 examples of an entity that you give in your
9 declaration is the police force, right? And you can
10 look at, for example, paragraph 57 if you need help
11 answering that question, or paragraph 92 is another
12 example.

13 MR. LUND: Objection, form.

14 A I am clarifying my answer. In paragraph
15 57, I do state that the users, one of six, that's
16 such as the police force or the police department.

17 So I'm making it clear, because you're
18 taking a word out of context, or your question seems
19 to imply you're taking a word out of context.

20 The sentence that I have in paragraph 57
21 are the users 106, such as the police force or fire
22 department. And in paragraph 58, I explicitly state

1 that the dispatchers and the operators are not users
2 and not part of the entity.

3 So the users in a police force are the
4 officers talking to the dispatcher, and the
5 firefighters that are talking to the fire dispatcher
6 are the entities and are the users.

7 Q A police force can be divided up into
8 different units, right?

9 MR. LUND: Objection, form.

10 A Your question is too vague. I don't
11 understand what you mean.

12 Q Okay. Let's refer to paragraph 65 of
13 your declaration. You refer to, the claimed
14 entities, which include the users (e.g., officers in
15 a police unit).

16 Do you see that?

17 A I'm not yet. Can you just give me a
18 second to get to paragraph 65.

19 Q Sure.

20 A I am there. So now direct me to the
21 section, or please ask your question again.

22 Q Yeah. So my question was, the police

1 force can be divided up into different units,
2 correct?

3 MR. LUND: Objection, form.

4 A Again, what are -- again, I guess the
5 word "unit" -- I'm trying to understand the context.
6 Which sentence are you at in paragraph 65?

7 Q About midway through the paragraph, you
8 state, But, as noted above, dispatchers and
9 operators are different from the claimed entities,
10 which include the users (e.g., officers in a police
11 unit).

12 So my original question to you was that
13 the police force can be divided up into different
14 units.

15 Is that fair?

16 A I still don't understand what you mean by
17 "units."

18 Q What did you mean by "unit" in paragraph
19 65, Dr. Akl?

20 A It's not a claim term. So it would
21 have -- I mean, a police unit, as in, I'm making the
22 distinction that if you look at a police unit in

1 terms of who works, you can have the officers that
2 are talking in the field. Those would be the users.
3 Those would be the claimed entity.

4 And if you have one dispatcher, that
5 would be -- the users talking to one dispatcher
6 would be one entity. If you have another police
7 dispatcher with officers talking to that second
8 dispatcher, the users -- the police officers talking
9 to that second dispatcher, that would be the second
10 entity.

11 And that's consistent with Figure 1,
12 which shows, like, two fire dispatchers. The users
13 associated with one fire dispatcher would be one
14 entity. Users associated with another fire
15 dispatcher would be another entity.

16 And so in the context of paragraph 65,
17 the users associated with one dispatcher would be
18 one entity. And if you take a police department and
19 divide it into multiple -- have multiple
20 dispatchers, each talking with their own users,
21 those users associated with one dispatcher would be
22 one entity.

1 Q Your declaration refers to "police force"
2 and "police unit," right?

3 A Well, my declaration refers to a lot of
4 things. So can you be more specific?

5 Q What is the difference between "police
6 force" and "police unit" as those terms are used in
7 your declaration?

8 A Well, let's go to the sentences where
9 they appear, and I can better answer your question.
10 Can you give me a specific example?

11 Q For example, in paragraph 57, you refer
12 to "the police force or fire department." And in
13 paragraph 65, you refer to "a police unit."

14 And I'm just curious, what is the
15 distinction between those two?

16 A So if we look at paragraph 57, I'm
17 saying, Specifically, each emergency communication
18 team is an entity that includes users 106, such as
19 the police force or fire department.

20 So in the context of paragraph 57, again,
21 the users associated with one dispatcher would be an
22 entity, and an example of that can be a police force

1 or can be a fire department.

2 What was the next section?

3 Q The next one that I had pointed you to, I
4 believe, was paragraph 65.

5 A The same thing applies in paragraph 65,
6 and I say, dispatchers and operators are different
7 from the claimed entities, which include the users,
8 example, officers in a police unit.

9 So the officers that are using the radios
10 to talk to a dispatcher, those users would be an
11 entity.

12 And in this context, like a police unit,
13 to the extent it has one dispatcher, then the users
14 talking to those dispatcher -- that dispatcher would
15 be one entity.

16 If a police force has more than one
17 dispatcher, then the users talking to each
18 dispatcher would be an entity.

19 That's the relationship.

20 MR. STAVINOHAN: Got it.

21 Let's see. We've been going about an
22 hour. Why don't we go ahead and take a break.

1 MR. LUND: Sounds good. Break.

2 MR. STAVINOHA: Let's go off the record.

3 (Recess from 12:03 p.m. until 12:23 p.m.)

4 MR. STAVINOHA: Let's go back on the
5 record.

6 BY MR. STAVINOHA:

7 Q Dr. Akl, did you have any communications
8 with counsel during our break?

9 A No.

10 MR. STAVINOHA: Well, I have no further
11 questions at this time. So I'll go ahead and pass
12 the witness.

13 MR. LUND: We have no further questions
14 on our end at this time.

15 COURT REPORTER: Is there anything else
16 for the record?

17 MR. STAVINOHA: No. We can go off the
18 record.

19 (Transcript orders discussed.)

20 COURT REPORTER: I think that's all I
21 need. Thank you.

22 (Off the record at 12:25 p.m.)

1 CERTIFICATE OF SHORTHAND REPORTER - NOTARY PUBLIC

2
3 I, Lisa V. Feissner, RDR, CRR and Notary
4 Public in and for the District of Columbia, do
5 hereby certify:

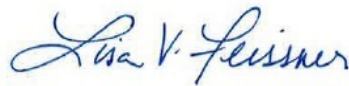
6
7 That ROBERT AKL, Ph.D., the witness whose
8 deposition is hereinbefore set forth, was duly sworn
9 by me before the commencement of such deposition,
10 and that such deposition was taken before me and is
11 a true record of the testimony given by such
12 witness.

13
14 I further certify that the adverse party,
15 STA GROUP LLC, was represented by counsel at the
16 deposition.

17
18 I further certify that the deposition of
19 ROBERT AKL, Ph.D., occurred REMOTELY on FRIDAY,
20 SEPTEMBER 13, 2024, commencing at 9:57 and
21 concluding at 12:25.

1 I further certify that I am not related
2 to any of the parties to this action by blood or
3 marriage, I am not employed by or an attorney to any
4 of the parties to this action, and that I am in no
5 way interested, financially or otherwise, in the
6 outcome of this matter.

7
8 IN WITNESS WHEREOF, I have hereunto set
9 my hand this 17th day of SEPTEMBER, 2024.

10
11 
12 _____

13 NOTARY PUBLIC IN AND FOR

14 THE DISTRICT OF COLUMBIA

15 MY COMMISSION EXPIRES JUNE 15, 2028
16
17
18
19
20
21
22

A			
ability	39:1, 55:16,	80:7, 81:7,	77:6, 77:14,
28:19, 35:19	60:15, 61:20,	81:19	77:15
able	73:9	all	answer
6:8, 70:22	again	6:16, 11:11,	6:8, 6:19,
about	31:16, 37:7,	14:12, 26:10,	19:16, 20:4,
5:16, 20:17,	38:8, 40:2,	30:2, 32:19,	23:6, 28:18,
41:20, 42:20,	40:17, 42:20,	35:22, 46:14,	33:22, 35:5,
47:10, 51:19,	50:18, 51:16,	72:2, 72:20,	37:5, 37:12,
52:12, 52:13,	52:14, 53:15,	80:20	40:10, 40:18,
52:22, 57:22,	61:6, 69:1,	alleged	42:6, 42:9,
59:2, 64:12,	75:21, 76:4,	21:13	43:8, 45:1,
67:13, 67:14,	78:20	allocate	50:5, 50:10,
67:17, 69:1,	against	66:3	52:6, 53:1,
70:16, 71:11,	21:9	allocation	63:10, 63:20,
76:7, 79:21	ago	66:10, 67:16,	64:6, 64:7,
above	18:17	70:14, 71:12	64:10, 66:21,
76:8	agree	allow	69:22, 70:21,
accessible	7:8, 27:12,	71:8	71:1, 71:2,
8:13, 12:21	49:3, 53:9,	alone	71:4, 71:8,
accompanying	53:16, 54:18,	7:1	71:17, 72:19,
14:8	55:11, 58:1,	already	73:8, 74:14,
account	62:3, 62:14,	38:11, 42:8,	78:9
49:2	66:17, 69:3,	43:5	answered
accurate	69:18, 70:17	also	28:9, 30:8,
16:22, 17:6	agreed	8:3, 16:13,	35:18, 38:17,
accurately	25:22, 38:13,	22:12, 26:1,	41:16, 42:8,
6:8, 13:13,	51:8	31:5, 31:14,	43:5, 52:19,
64:10	ahead	31:18, 31:21,	69:18
action	9:15, 20:20,	34:5, 36:1, 36:7	answering
82:2, 82:4	47:14, 79:22,	among	67:19, 71:19,
add	80:11	59:2	72:14, 74:11
60:20, 61:9,	akl	amongst	answers
61:11	1:18, 2:3, 4:2,	39:5, 41:2	15:17
addition	5:2, 5:7, 5:11,	amount	antecedent
13:17, 31:13,	5:12, 6:21, 9:1,	19:4	63:9, 63:11,
31:17	9:22, 10:3,	analysis	63:22, 64:9
additional	10:16, 15:18,	44:18	any
48:15, 48:20	18:2, 20:14,	annotated	6:4, 6:7, 6:11,
address	24:2, 26:13,	28:3	7:11, 7:17,
24:5, 24:15,	32:10, 35:7,	another	8:12, 13:17,
45:7	40:5, 41:22,	21:2, 21:4,	13:21, 14:3,
addressing	42:6, 43:17,	51:22, 59:22,	15:18, 15:22,
42:17	47:12, 47:21,	60:9, 61:16,	17:2, 17:8,
adopted	52:13, 54:5,	61:17, 67:6,	18:18, 19:7,
26:1	55:4, 62:17,	67:9, 68:10,	22:20, 23:1,
adverse	64:15, 71:5,	68:11, 69:9,	23:3, 23:7,
81:14	74:7, 76:19,	69:16, 72:8,	25:17, 26:7,
		73:6, 74:11,	32:15, 46:18,

48:14, 49:15, 50:6, 51:3, 51:7, 54:10, 57:13, 59:4, 59:13, 80:7, 82:2, 82:3 anyone 23:10, 48:1 anything 7:15, 17:18, 17:22, 60:17, 60:20, 61:9, 61:11, 61:20, 80:15 anywhere 53:3 apologies 65:6 apparatus 50:1 appeal 1:2 appear 35:3, 35:10, 37:19, 37:20, 38:21, 40:2, 43:11, 43:14, 53:3, 54:10, 54:16, 54:19, 78:9 application 11:22 applications 7:15 applied 24:22, 50:18 applies 40:1, 42:11, 59:15, 79:5 apply 25:6, 49:17, 64:6 approximately 22:13 aren't 46:9 around 19:2, 19:3,	22:16, 69:13 art 15:4, 23:20, 24:8, 24:11, 24:13, 24:18, 24:21, 32:16, 32:18, 32:19, 36:21, 37:8, 43:16, 44:3, 45:1, 45:3, 45:11, 45:18, 46:2, 65:2, 65:5, 65:9, 65:12, 65:17, 65:18 articulate 46:17 articulated 50:22 articulation 24:17 asked 23:13, 23:15, 25:6, 30:8, 38:11, 39:20, 41:16, 41:18, 41:20, 44:22, 51:19 asking 5:20, 17:2, 29:7, 29:14, 30:2, 36:16, 42:20, 44:2, 52:12, 52:21, 57:22, 59:1, 61:14, 67:13, 67:14, 69:1 aspect 35:22 asserted 21:9 assigned 56:12, 59:10, 59:11 assigning 62:22 assistants 19:7	associated 67:21, 72:9, 72:17, 77:13, 77:14, 77:17, 77:21, 78:21 assume 6:13, 18:14, 57:9 attach 62:1 attached 4:7, 4:14 attention 33:5 attorney 82:3 attributes 61:22 avenue 3:6 aware 15:18, 15:22, 22:7, 23:3, 40:5 away 63:21 B back 12:22, 47:18, 47:21, 49:11, 51:5, 54:2, 63:15, 66:20, 71:10, 80:4 background 64:19, 65:2, 65:5, 65:9, 65:17, 67:15, 69:2, 69:8, 71:11, 73:10 baker 3:5 based 25:12, 51:4, 55:22, 56:10, 57:1, 63:2, 73:2 basically 8:4 basis 41:14, 63:9,	63:12, 63:22, 64:9 bear 56:4 because 8:2, 29:13, 43:14, 44:18, 52:20, 57:16, 59:6, 60:16, 60:18, 60:21, 61:1, 61:6, 61:10, 61:11, 61:21, 67:20, 71:6, 74:17 becomes 67:20 been 5:3, 5:14, 5:17, 14:20, 19:10, 19:20, 23:19, 40:12, 47:9, 59:9, 59:11, 59:12, 64:15, 79:21 before 1:2, 2:5, 5:14, 6:17, 6:20, 19:21, 23:8, 23:11, 39:21, 65:12, 81:9, 81:10 begin 32:7 beginning 2:5, 65:20, 66:9 begins 13:2, 32:22 behalf 3:2, 3:13 being 18:2, 39:7, 39:9, 40:22, 46:12, 51:10, 51:15, 52:16, 58:6, 61:16, 66:12, 71:14 believe 14:17, 15:12,
--	---	---	--

21:11, 23:21, 28:8, 37:15, 41:17, 43:17, 47:3, 63:16, 79:4 besides 18:19, 36:13, 37:1, 37:11 best 28:19, 35:18, 52:6, 63:9 better 78:9 between 32:15, 56:18, 56:22, 64:12, 67:4, 78:5, 78:15 beyond 48:15 billed 18:22 blood 82:2 board 1:2 both 22:5, 28:21 botts 3:5 boundary 44:21, 45:3, 45:4 break 6:16, 6:20, 47:12, 47:14, 47:16, 47:22, 79:22, 80:1, 80:8 bringing 70:6 bunch 69:10, 69:12	called 42:22 calls 16:13 can't 23:6 carefully 16:20, 17:4 carrier 42:2 case 1:13, 21:5, 21:8, 21:14, 21:17, 21:21, 22:3, 22:12, 22:15, 26:6 cases 22:5 certain 42:3 certificate 81:1 certify 81:5, 81:14, 81:18, 82:1 cetera 21:1 challenged 32:20 channel 29:5, 30:18, 36:10, 37:17, 39:5, 39:8, 39:14, 39:17, 39:18, 40:22, 41:8, 41:11, 41:12, 41:19, 41:22, 42:2, 42:13, 42:15, 42:18, 42:22, 43:2, 43:3, 45:12, 45:14, 46:7, 46:8, 46:10, 46:21, 47:1, 47:7, 48:21, 48:22, 55:20, 55:22, 66:1, 66:3,	70:11 channels 27:8, 27:14, 28:7, 28:12, 28:22, 29:10, 29:22, 30:4, 30:14, 33:11, 36:2, 36:6, 36:9, 36:13, 36:14, 37:1, 37:2, 37:4, 37:10, 37:11, 39:6, 39:7, 41:2, 66:1, 66:11, 66:13, 67:16, 67:17, 70:10, 70:14, 71:12, 72:3 characterization 30:21 charging 18:5, 18:9 charts 15:7, 15:11, 15:17 chat 7:11, 9:16, 10:22, 20:6 check 16:20, 17:4 chicago 3:19 circle 45:5, 45:6, 45:7, 45:9 circumstance 20:1 citation 16:20 citations 16:21 claim 8:1, 15:6, 15:11, 15:16, 25:7, 25:13, 32:20, 32:21, 33:1, 33:5, 33:8, 33:15,	34:6, 34:8, 34:10, 34:16, 34:17, 35:10, 35:13, 36:5, 36:8, 36:12, 38:9, 38:15, 39:21, 39:22, 41:21, 42:1, 42:10, 42:14, 43:6, 43:12, 44:10, 44:16, 44:19, 45:13, 45:19, 46:11, 46:14, 46:15, 48:14, 48:19, 49:14, 49:18, 49:19, 49:20, 50:15, 51:2, 51:4, 51:9, 51:14, 52:15, 53:5, 53:7, 53:8, 53:9, 53:10, 53:13, 53:18, 54:5, 54:8, 57:18, 58:18, 62:9, 62:14, 62:17, 62:19, 62:21, 63:5, 63:6, 63:8, 63:12, 63:15, 63:21, 63:22, 64:3, 64:4, 64:9, 64:13, 64:15, 68:19, 68:22, 76:20 claimed 68:13, 68:21, 75:13, 76:9, 77:3, 79:7 claims 22:7, 23:19, 25:18, 32:6, 32:10, 32:16, 32:20, 34:22, 38:19, 38:22, 40:3, 40:7, 40:16, 43:10,
C			
call 17:11, 17:12, 17:16			

43:13, 43:18, 44:7, 47:5, 49:4, 49:9, 49:16, 49:20, 49:22, 50:1, 50:6, 51:16, 52:12, 52:20, 53:3, 54:10, 54:14, 54:17, 54:19, 55:5, 55:11, 62:7 clarification 35:21 clarify 38:13 clarifying 74:14 clarke 3:3, 3:10 clean 8:8, 8:21 clear 37:6, 45:8, 67:20, 73:20, 74:17 close 45:3 clr 1:27, 2:6 collaborative 16:6, 16:14 colon 33:12 columbia 81:4, 82:14 column 27:9, 29:15, 29:20, 30:9, 32:7, 32:22, 55:2, 64:21, 65:20, 66:10, 67:15 com 3:10, 3:11, 3:21, 3:22 come 9:21, 72:5 comes 47:8	coming 50:12, 59:19, 60:14 commencement 81:9 commencing 81:20 commission 82:15 common 27:19 communication 7:14, 27:2, 27:6, 27:7, 27:11, 27:14, 27:16, 27:19, 27:21, 28:7, 28:12, 28:14, 28:15, 28:20, 28:21, 28:22, 29:4, 29:5, 29:9, 29:10, 29:18, 29:21, 29:22, 30:4, 30:6, 30:13, 30:14, 30:17, 31:1, 31:4, 31:10, 31:14, 31:18, 31:22, 33:9, 33:10, 34:7, 34:8, 34:11, 34:12, 35:11, 35:12, 36:10, 36:14, 37:1, 37:4, 37:11, 37:17, 38:2, 38:8, 38:14, 39:6, 39:18, 41:3, 41:12, 41:21, 43:3, 46:8, 46:22, 47:7, 52:3, 53:11, 53:14, 65:21, 65:22, 66:5, 70:9, 70:10, 72:3, 72:7, 72:12, 78:17	communications 80:7 comparing 59:7, 59:16 comparison 59:20 compensated 18:2 compensation 18:19 completing 62:10 comprises 62:22 comprising 33:12, 33:19, 34:3 computer 7:5, 7:12 concerns 9:4 concise 50:3 concluding 81:21 connected 31:14, 31:18, 51:20, 51:22, 66:22, 67:7, 67:10, 68:9, 68:10, 68:12, 69:10, 69:13 connecting 30:5, 30:22 connection 9:2, 18:6 consider 44:6, 45:13, 49:8, 49:15 considered 32:15, 45:16, 46:4 consistent 21:21, 25:7, 30:12, 50:20, 77:11 consistently 22:8	constitutes 50:13, 63:19 construction 15:7, 15:11, 15:16, 25:17, 25:19, 26:1, 26:3, 26:6, 50:16, 51:4, 51:8 constructions 26:7 consulting 18:11 contemplates 62:4, 70:18 contents 8:5 context 37:9, 54:22, 66:18, 67:12, 67:14, 67:20, 69:20, 72:20, 74:18, 74:19, 76:5, 77:16, 78:20, 79:12 contrary 23:2 conversations 48:1 copies 7:17, 8:8, 8:12, 8:21 copy 50:4 correct 5:14, 7:16, 9:2, 9:5, 10:7, 11:9, 12:1, 12:15, 13:11, 18:3, 20:15, 23:20, 25:18, 25:20, 26:4, 26:9, 26:22, 27:8, 27:16, 29:6, 30:19, 31:2, 31:6, 31:19, 32:1, 32:11, 34:8,
---	--	--	--

34:12, 36:6, 36:10, 37:11, 38:9, 38:15, 39:14, 39:18, 41:8, 41:12, 43:3, 48:4, 48:7, 48:16, 48:17, 49:5, 51:3, 51:11, 51:15, 52:17, 53:6, 53:11, 53:14, 54:11, 55:1, 55:3, 56:14, 57:5, 57:11, 57:15, 58:3, 58:9, 58:16, 58:20, 59:1, 59:4, 59:13, 60:11, 62:4, 62:16, 62:19, 63:7, 64:5, 64:17, 67:18, 69:5, 73:3, 76:2 correction 65:7 corrections 17:2, 17:8 correctly 39:11, 41:5 could 5:9, 10:13, 12:11, 30:13, 34:5, 42:6, 69:11, 72:5, 73:15 counsel 7:15, 16:7, 16:8, 16:9, 17:11, 22:6, 24:4, 34:2, 34:22, 40:10, 41:14, 47:9, 80:8, 81:15 couple 11:11, 17:17, 18:16 coupled 30:18, 31:5,	31:22 court 15:7, 18:16, 21:5, 21:8, 21:14, 21:20, 22:3, 22:12, 25:22, 26:6, 71:7, 80:15, 80:20 cover 8:5 creating 16:4 cross-talk 35:6, 60:19, 71:3 crr 1:27, 2:6, 81:3 curious 78:14 cv 8:17, 19:17, 20:14 D dallas 3:8, 5:13, 6:22 day 82:9 decides 44:20 decision 14:18, 14:19 declaration 8:4, 8:10, 8:16, 10:6, 10:9, 10:14, 10:18, 13:2, 13:5, 13:15, 13:19, 15:4, 15:20, 16:2, 16:5, 16:18, 16:21, 17:5, 17:20, 17:21, 22:21, 23:14, 23:16, 24:16, 25:2, 25:11, 25:16, 32:14,	35:17, 43:22, 44:1, 44:7, 47:5, 49:12, 49:16, 50:3, 51:6, 64:11, 73:18, 73:19, 74:9, 75:13, 78:1, 78:3, 78:7 dedicated 31:15, 39:5, 39:7, 39:8, 39:9, 39:14, 39:17, 40:22, 41:1, 41:8, 41:11, 41:19, 42:13, 42:15, 42:22, 43:2, 45:11, 45:14, 46:7, 46:10, 46:21, 48:21, 48:22, 55:20, 55:22, 66:1, 66:11, 67:16, 67:18, 70:11, 70:14, 71:12 define 45:4 definition 46:17, 50:22 department 66:3, 68:4, 68:5, 73:11, 74:16, 74:22, 77:18, 78:12, 78:19, 79:1 dependent 49:18, 54:17 depends 49:19, 53:9, 62:19 depicted 30:17, 68:14 depicting 30:3 depicts 27:2 deposed 5:14, 5:17	deposition 1:17, 2:3, 4:8, 5:21, 7:4, 17:10, 17:19, 81:8, 81:9, 81:10, 81:16, 81:18 describe 46:11, 51:20, 65:12, 65:18 describes 29:8, 65:17, 70:8 describing 52:3, 55:3 description 65:2, 65:5, 65:9, 65:16, 67:15, 69:2 designate 27:19 determination 57:1 determining 55:18, 56:8, 62:22 difference 78:5 differences 32:15 different 16:12, 29:16, 37:4, 38:3, 39:8, 42:14, 44:18, 66:11, 66:13, 67:4, 67:10, 67:17, 70:14, 71:10, 71:12, 75:8, 76:1, 76:9, 76:13, 79:6 dig 11:12 direct 29:13, 75:20 directed 29:15 disagree 30:20, 34:20,
---	---	--	--

57:12 disagreed 57:17 disclose 44:4, 45:1, 46:3 disclosed 44:17 discloses 32:19, 37:14, 44:4, 45:11, 46:3 disclosure 37:22 disclosures 38:6 discuss 51:5, 62:7 discussed 55:4, 55:8, 80:19 discusses 52:2 discussing 64:15 discussion 54:1 dispatcher 30:18, 31:1, 51:21, 51:22, 53:18, 54:6, 54:7, 54:9, 54:12, 54:14, 54:15, 54:18, 67:1, 67:2, 67:5, 67:7, 67:8, 67:10, 67:22, 68:11, 68:12, 69:11, 69:14, 70:4, 70:7, 71:22, 72:6, 72:11, 72:21, 73:15, 74:4, 74:5, 75:4, 75:5, 77:4, 77:5, 77:7, 77:8, 77:9, 77:13,	77:15, 77:17, 77:21, 78:21, 79:10, 79:13, 79:14, 79:17, 79:18 dispatchers 31:5, 31:13, 31:17, 74:1, 75:1, 76:8, 77:12, 77:20, 79:6 distinction 76:22, 78:15 district 15:7, 18:16, 21:4, 21:8, 21:14, 21:20, 22:3, 22:12, 25:22, 26:6, 81:4, 82:14 disturb 42:4 divide 77:19 divided 75:7, 76:1, 76:13 document 10:4 documents 7:17, 8:6, 8:13, 8:15, 13:10, 13:21 doing 46:1, 50:11 done 33:2, 46:12 double-check 17:1, 17:7 downloaded 10:1 dr 5:7, 5:12, 6:21, 9:1, 9:22, 10:3, 10:16, 15:18, 18:2, 20:14, 24:2, 26:13, 32:10,	35:7, 40:5, 41:22, 42:6, 43:17, 47:12, 47:21, 52:13, 54:5, 55:4, 62:17, 64:15, 71:5, 74:7, 76:19, 80:7 drawn 30:12 duly 5:3, 81:8 during 5:20, 7:8, 47:22, 66:5, 80:8 E e 75:14, 76:10 each 65:21, 66:1, 70:10, 77:20, 78:17, 79:17 earlier 38:12, 41:20, 51:19, 55:4 easier 45:2, 66:20 eastern 1:22 effective 66:5 effort 16:6 electronic 8:12 element 42:14, 46:3 elements 30:6, 32:20, 64:13, 71:10, 72:2 else 17:18, 17:22, 69:11, 80:15 embodiment 30:16, 52:11,	54:22, 68:15, 68:17, 71:9 embodiments 52:5 emergency 27:2, 27:6, 27:11, 27:15, 29:8, 29:18, 29:21, 30:5, 30:13, 30:17, 31:1, 31:4, 31:13, 31:17, 31:21, 34:11, 34:13, 35:3, 35:9, 35:12, 38:1, 38:8, 38:14, 38:20, 52:4, 65:21, 66:6, 70:9, 72:6, 72:12, 78:17 employed 82:3 employees 19:7 enable 66:5 end 80:14 enough 18:13 entire 49:2 entities 39:8, 66:11, 67:17, 68:9, 68:18, 68:20, 70:15, 71:13, 75:6, 75:14, 76:9, 79:7 entity 39:10, 41:1, 49:1, 51:21, 51:22, 55:20, 55:22, 63:6, 63:15, 64:2, 64:4, 64:16, 64:17, 66:18,
---	--	--	--

66:22, 67:2, 67:6, 67:9, 67:12, 68:1, 68:3, 68:10, 68:11, 68:12, 68:14, 68:21, 69:9, 69:14, 69:16, 69:19, 70:5, 70:19, 72:1, 72:9, 72:16, 72:17, 73:1, 73:16, 73:17, 74:2, 74:4, 74:5, 74:6, 74:8, 75:2, 77:3, 77:6, 77:10, 77:14, 77:15, 77:18, 77:22, 78:18, 78:22, 79:11, 79:15, 79:18 environment 26:21, 30:11 equipment 7:3 esquire 3:3, 3:4, 3:14, 3:15 et 21:1 ever 19:10, 19:20, 22:17, 37:16 every 6:17, 16:20, 17:4, 66:3 evidence 14:3, 15:18 exact 29:14, 46:1 exactly 29:6, 37:21, 38:21, 44:20, 54:19, 70:1 examination 4:2, 5:5 examined 5:3	example 29:4, 30:16, 32:4, 32:5, 38:2, 54:22, 62:6, 66:2, 68:1, 68:15, 68:21, 69:7, 69:12, 69:16, 71:21, 72:15, 73:5, 73:6, 73:10, 73:17, 73:21, 74:10, 74:12, 78:10, 78:11, 78:22, 79:8 examples 27:22, 30:13, 66:18, 68:16, 69:4, 69:19, 70:19, 73:13, 74:8 excluding 70:4 excuse 70:13 exemplary 26:20, 30:10 exercise 46:1 exh 4:16, 4:17, 4:18 exhibit 4:8, 4:19, 4:20, 8:17, 8:18, 8:19, 8:20, 9:16, 9:18, 10:6, 10:11, 10:22, 11:1, 11:7, 11:9, 11:14, 11:16, 11:22, 12:4, 12:7, 12:8, 12:14, 12:18, 13:2, 14:20, 15:12, 15:13, 15:16, 19:15, 20:3,	20:7, 20:8, 20:14, 26:11, 32:8 exhibits 4:15, 14:8, 14:12, 14:15, 15:1, 17:21 exist 62:1 expert 19:10, 19:20, 20:2, 20:18, 21:16, 22:11, 22:14 experts 23:7 expires 82:15 explain 20:19 explicitly 37:19, 37:20, 38:5, 74:22 extending 27:15 extent 69:9, 71:20, 79:13 F fact 73:6 fair 18:13, 19:6, 27:1, 29:1, 32:14, 33:17, 55:14, 60:2, 63:14, 76:15 fall 45:8 familiar 24:7, 32:10 far 18:22, 48:4 feissner 1:27, 2:6, 81:3 field 36:15, 36:18,	36:19, 36:22, 37:3, 77:2 figure 19:4, 26:16, 26:18, 26:20, 27:2, 27:13, 28:4, 28:5, 30:3, 30:7, 30:10, 30:12, 30:16, 31:21, 32:5, 51:18, 51:19, 54:22, 55:3, 66:21, 67:12, 67:14, 67:20, 68:6, 68:8, 68:15, 68:17, 68:18, 68:20, 68:22, 69:5, 69:7, 69:15, 70:17, 70:22, 71:4, 71:9, 71:17, 72:15, 73:3, 73:5, 73:6, 73:7, 73:8, 77:11 filing 65:12 financial 18:20 financially 82:5 fine 47:15 finish 47:10, 71:8 finished 35:7 fire 31:5, 51:22, 52:4, 66:2, 67:7, 67:8, 67:10, 68:4, 68:5, 68:9, 68:10, 73:10, 74:21, 75:5, 77:12, 77:13, 77:14, 78:12,
--	---	--	---

78:19, 79:1 firefighters 75:5 firm 16:12, 16:16, 17:13, 19:11 first 5:3, 8:3, 8:9, 13:6, 18:16, 39:1, 39:4, 39:5, 39:8, 39:9, 39:13, 39:17, 41:4, 41:18, 42:14, 42:17, 45:11, 45:13, 46:7, 46:10, 46:20, 48:6, 48:15, 48:18, 48:21, 48:22, 49:1, 51:2, 51:10, 51:12, 51:14, 52:16, 53:8, 53:10, 55:12, 55:19, 55:20, 56:8, 56:11, 56:12, 56:18, 56:22, 57:19, 61:1, 61:12, 63:1, 63:6, 63:15, 64:16 flawed 61:6, 61:7 fly 63:18, 64:11 focusing 33:4, 37:5 followed 22:5 following 56:20, 58:4 follows 5:4 force 73:18, 74:9, 74:16, 74:21, 75:3, 75:7, 76:1, 76:13,	78:1, 78:6, 78:12, 78:19, 78:22, 79:16 form 32:2, 34:18, 35:14, 38:10, 38:16, 39:19, 40:8, 41:13, 43:4, 44:8, 44:14, 45:15, 47:2, 50:8, 52:18, 58:10, 58:17, 59:5, 59:14, 60:3, 60:12, 61:5, 61:19, 62:5, 63:18, 66:13, 68:7, 69:6, 69:21, 70:20, 74:13, 75:9, 76:3 forming 13:7, 13:11, 13:14, 13:21, 14:4, 15:2, 23:8, 23:11, 44:7 forth 12:22, 13:10, 81:8 friday 1:21, 2:4, 81:19 front 7:18, 7:21, 8:3, 8:7, 26:12, 26:18 fulfilled 61:12 full 5:9 fully 6:8 further 80:10, 80:13, 81:14, 81:18, 82:1 G game 60:6	gates 3:16, 19:11 gave 73:2, 73:4, 73:6 general 36:15, 39:21, 39:22 generally 31:9, 70:17 getting 54:12 give 48:19, 73:13, 73:17, 74:8, 75:17, 78:10 given 16:1, 35:9, 42:9, 81:11 gives 62:6 giving 68:16, 72:20 go 9:15, 20:20, 20:22, 25:2, 47:14, 47:18, 49:11, 53:20, 54:2, 64:19, 66:20, 73:19, 78:8, 79:22, 80:2, 80:4, 80:11, 80:17 going 5:19, 9:15, 10:21, 11:13, 12:6, 12:21, 20:19, 47:10, 51:5, 56:5, 57:10, 58:8, 59:3, 60:22, 61:9, 64:11, 71:10, 72:3, 72:4, 72:6, 72:8, 72:9, 72:10, 72:12, 79:21 good 5:7, 5:8, 6:14,	47:12, 71:9, 80:1 gotcha 18:18, 19:19 great 10:3, 26:15 grounds 23:21 group 1:9, 4:19, 4:20, 19:11, 19:21, 20:2, 20:18, 21:3, 21:8, 22:21, 23:2, 23:10, 66:2, 66:17, 67:18, 68:1, 69:3, 69:19, 70:1, 70:3, 70:11, 70:18, 71:21, 72:10, 72:17, 72:19, 73:14, 81:15 groups 68:5 guess 76:4 H hand 82:9 hard 7:17, 71:1, 71:7 head 16:17, 22:4 heading 65:8, 65:16 held 2:3, 54:1 help 19:8, 74:10 here 15:3, 15:11, 16:9, 33:21, 36:1, 40:10, 40:18, 56:6 hereby 81:5
---	---	---	--

hereinbefore 81:8 hereunto 82:8 hierarchy 71:15, 71:16, 73:8 high 32:18, 65:19 higher 18:14, 56:18, 57:14, 58:5, 58:14, 58:15, 60:1, 60:5, 60:9, 61:3, 61:18, 62:11 highest 57:11, 58:9, 58:22, 59:4, 59:12, 59:17, 59:18 hit 54:12 honestly 6:8 hospital 69:13 hour 6:17, 18:10, 47:10, 79:22 hourly 18:5, 18:8, 18:19 hours 17:17, 19:2, 19:4 hypothetical 58:4	illustrated 27:14 illustrates 26:20, 30:10 imply 38:1, 57:7, 74:19 inc 1:6, 4:16, 4:17, 4:18, 21:10 include 17:12, 36:9, 42:1, 67:1, 67:7, 75:14, 76:10, 79:7 included 48:12 includes 42:2, 43:6, 78:18 inconsistent 15:19, 16:1 incorporate 40:14, 40:15 independent 49:16, 49:20 indicate 31:9 indicated 28:16 influence 6:4 information 48:20 infringement 21:13, 21:17, 22:9 inputs 63:2 institution 14:17, 14:19 inter 14:9, 15:1 interest 18:20 interested 82:5	interpreted 22:8 interrupt 71:6 interruption 42:19 introduces 34:6, 36:1, 39:13, 41:7, 42:21 invention 26:21, 46:11, 47:6, 64:20 involve 48:18 ip 31:15, 31:19 ipr 1:13, 9:2, 9:4, 9:11, 9:12, 9:17, 10:7, 11:15, 18:3, 18:6, 19:1, 19:5, 19:8, 19:12, 21:22, 23:8, 26:8 item 59:19	72:14 kind 12:21 know 6:12, 6:18, 9:21, 11:4, 11:19, 12:11, 20:11, 23:5, 33:2, 33:5, 37:18, 45:21, 49:13, 50:3, 51:18, 51:20, 55:9, 65:4, 69:10, 73:11 known 65:12 kyle 3:15, 3:22
I		J	L
identified 13:18, 13:22, 14:4, 68:6 identify 69:5 il 3:19 illustrate 69:8, 72:16		jared 3:14, 3:21, 16:9 job 1:25 joint 15:16 june 10:18, 82:15	11 21:1, 21:2, 21:6 12 21:1, 21:2, 21:6 18 21:3, 21:6, 21:11 lacks 64:8 language 51:9, 51:13, 52:15 last 17:11, 17:16, 62:16 later 34:7, 36:5, 70:13 law 16:12, 16:16, 17:13, 19:10 lawyer 33:21, 40:17 least 44:19, 56:1, 56:21, 57:6,
		K	
		k&l 3:16, 19:11 kantarek 3:15 kantarek@klgates 3:22 keep 12:20, 70:6,	

57:8, 57:21, 58:2, 58:18, 62:6, 62:8, 63:21, 71:8 legal 22:5, 24:3, 33:22, 34:1, 34:21, 35:20, 38:18, 40:3, 40:9, 40:11, 40:13, 40:18, 43:9, 44:20 let's 32:6, 32:21, 35:22, 36:19, 39:1, 40:19, 47:14, 47:18, 54:2, 57:9, 62:17, 75:12, 78:8, 79:21, 80:2, 80:4 level 24:17, 24:21, 32:18, 65:19 light 35:1, 38:19, 40:4, 43:10, 45:19, 46:15, 47:5, 51:16, 52:21 limit 34:10, 43:13 limitation 39:1, 39:2, 39:4, 39:13, 39:16, 40:1, 40:19, 40:20, 40:21, 41:7, 41:10, 42:10, 42:20, 42:21, 43:1, 43:7, 44:5, 45:12, 46:21, 48:3, 48:4, 48:6, 48:9, 48:13, 53:12, 53:16, 55:16, 55:17, 55:18, 56:7,	56:17, 56:20, 56:21, 57:4, 62:9, 62:16 limitations 8:2, 40:6, 40:15, 42:4, 44:11, 44:13, 44:17, 56:6, 56:16 limited 46:8, 46:22, 68:4, 68:14, 69:4, 73:5 line 27:21, 28:3, 28:16, 29:12, 30:10, 30:22, 31:19, 32:5, 32:22, 47:11, 65:20, 66:10 lines 27:9, 27:17, 28:2, 28:6, 28:11, 29:15, 29:20, 30:4, 30:5, 30:12, 31:6, 31:9, 32:1, 32:3, 55:2 links 27:15 lisa 1:27, 2:6, 81:3 listed 8:1 litigation 20:22, 25:22 little 45:2 llc 1:9, 19:11, 19:21, 20:2, 20:18, 21:8, 22:21, 23:2, 23:11, 81:15 llp 3:16 locality 66:2, 66:17,	67:18, 68:2, 69:4, 69:19, 70:2, 70:3, 70:11, 70:18, 71:20, 72:10, 72:17, 72:18, 72:22, 73:14 located 6:21 logic 61:7 long 17:16 look 27:18, 35:22, 43:15, 62:17, 72:2, 73:21, 74:10, 76:22, 78:16 looked 46:14, 48:3, 51:18 looking 27:13, 45:18 looks 32:3, 32:5 lot 50:4, 78:3 lower 56:22, 58:11, 58:19, 58:21, 60:5 lowest 59:18 lund 3:14, 16:9, 16:10, 17:12, 21:15, 22:1, 23:4, 30:8, 32:2, 34:18, 35:14, 38:10, 38:16, 39:19, 40:8, 41:13, 41:16, 41:20, 43:4, 44:8, 44:14, 45:15, 47:2, 47:9, 50:8, 52:18,	58:10, 58:17, 59:5, 59:14, 60:3, 60:12, 61:5, 61:19, 62:5, 68:7, 69:6, 69:21, 70:20, 74:13, 75:9, 76:3, 80:1, 80:13 lund@klgates 3:21 M mac 7:5 madison 3:17 main 49:18 maintain 42:12 make 59:6, 59:20, 60:7, 60:18, 61:11, 61:21, 62:2, 71:7, 73:20 making 74:17, 76:21 mall 73:12 malls 66:4 managing 33:9 many 5:16, 19:14, 22:13 map 68:19 mapping 30:9, 68:22 marked 4:9, 9:16, 9:18, 10:22, 11:1, 11:14, 11:16, 12:7, 12:8, 20:8
--	--	---	---

marriage 82:3 materials 13:6, 13:14, 13:17, 14:22 matter 15:7, 18:21, 21:2, 21:3, 21:4, 34:17, 60:16, 82:6 matters 21:1, 23:3 matthew 3:4, 3:11 maybe 17:17, 38:4, 65:18 mean 7:20, 18:12, 22:3, 33:6, 36:15, 43:12, 50:9, 57:7, 61:14, 62:7, 63:11, 64:7, 70:1, 75:11, 76:16, 76:18, 76:21 meaning 25:7, 25:13, 45:17, 46:5, 46:7, 46:18, 46:20, 50:18, 50:19, 50:21, 57:8 means 34:4, 51:1 medication 6:5 memory 37:13 merely 44:2 message 39:5, 40:22, 41:3, 41:4, 48:6, 48:10, 48:16, 48:18, 48:19, 48:21,	49:5, 50:7, 53:10, 53:13, 55:12, 55:13, 55:19, 55:21, 56:8, 56:9, 56:10, 56:11, 56:13, 56:17, 56:19, 56:21, 57:1, 57:5, 57:6, 57:10, 57:11, 57:14, 57:19, 57:21, 58:1, 58:2, 58:6, 58:7, 58:8, 58:13, 58:15, 58:16, 58:19, 59:3, 59:4, 59:9, 59:10, 59:12, 59:13, 59:16, 59:21, 59:22, 60:4, 60:5, 60:8, 60:9, 60:10, 60:13, 60:14, 60:15, 60:16, 61:2, 61:3, 61:4, 61:9, 61:10, 61:15, 61:16, 61:17, 61:21, 62:4, 62:7, 62:8, 62:10, 62:11, 62:15, 63:1, 63:2 messages 27:7, 27:10, 29:9, 29:17, 29:21, 30:15, 33:11, 39:9, 41:1, 46:12, 48:15, 49:1, 50:13, 50:14, 51:2, 51:10, 51:14, 52:2, 52:9, 52:16, 55:6, 57:20, 59:2, 66:12, 66:13, 71:14,	72:5 method 33:9, 33:12, 50:1, 62:21 midway 76:7 might 47:11 missed 51:12 moment 56:5 more 11:11, 13:20, 50:20, 55:19, 56:12, 56:16, 57:7, 64:8, 78:4, 79:16 morning 5:7, 5:8 motorola 1:6, 4:16, 4:17, 4:18, 21:9 much 18:22 multichannel 67:3 multiparty 36:9, 36:14, 37:1, 37:11, 37:17, 39:17, 41:11, 41:21, 42:1, 43:3, 46:8, 46:22, 47:7 multiple 41:22, 66:12, 71:13, 72:4, 73:20, 77:19 myself 45:17 N name 5:9 names 16:15, 17:14 narrow 42:3	narrower 44:2 need 6:17, 45:4, 45:7, 49:11, 74:10, 80:21 needs 34:4 never 60:22 next 35:22, 40:19, 55:15, 56:7, 62:9, 66:9, 70:12, 79:2, 79:3 nigawara 8:19, 12:15, 12:17 none 4:9, 49:4 notary 2:6, 81:1, 81:3, 82:13 noted 76:8 nothing 51:9, 51:13, 52:15, 60:21, 63:14 notice 2:5 number 28:4 numbered 21:1 numbering 8:1 ny 3:4 O oath 6:1 objection 21:15, 22:1, 23:4, 30:8, 32:2, 34:18,
--	---	--	---

Transcript of Robert Akl, Ph.D.
Conducted on September 13, 2024

94

35:14, 38:10, 38:16, 39:19, 40:8, 41:13, 41:15, 43:4, 44:8, 44:14, 45:15, 47:2, 50:8, 52:18, 58:10, 58:17, 59:5, 59:14, 60:3, 60:12, 61:5, 61:19, 62:5, 68:7, 69:6, 69:21, 70:20, 74:13, 75:9, 76:3 obvious 23:19 obviously 45:6 obviousness 24:2, 24:6 occurred 81:19 offered 22:17, 26:7 office 1:1, 3:4 officers 74:3, 75:4, 75:14, 76:10, 77:1, 77:7, 77:8, 79:8, 79:9 ohel 8:19, 12:1, 12:3 okay 5:19, 7:14, 12:14, 12:20, 14:19, 15:15, 15:17, 18:2, 19:19, 21:12, 25:5, 26:5, 26:10, 26:15, 30:2, 32:6, 32:21, 33:8, 34:6, 35:9, 35:21, 38:8, 42:5, 49:7,	50:13, 53:10, 54:2, 54:9, 54:20, 55:4, 56:4, 58:5, 62:18, 63:14, 64:1, 65:6, 65:11, 69:1, 75:12 one 6:17, 16:11, 17:13, 21:17, 30:18, 32:3, 32:4, 35:15, 47:12, 51:21, 51:22, 52:8, 55:18, 56:1, 56:11, 56:21, 57:4, 57:6, 57:7, 57:9, 57:17, 57:19, 57:21, 58:1, 58:2, 58:6, 58:7, 58:18, 58:21, 59:2, 59:7, 59:10, 59:19, 59:21, 60:4, 60:8, 60:10, 60:13, 60:15, 61:14, 61:15, 62:7, 62:8, 64:13, 65:15, 66:3, 66:14, 68:9, 68:12, 73:17, 74:7, 74:15, 77:4, 77:5, 77:6, 77:13, 77:17, 77:18, 77:21, 77:22, 78:21, 79:3, 79:13, 79:15, 79:16 ones 15:3 only 6:18, 8:6, 54:12, 55:5, 57:4, 59:7,	59:10, 59:15, 59:21, 60:4, 60:13, 62:14, 68:8, 68:17, 68:20 open 7:11, 10:2, 11:6, 11:20, 11:21, 12:13, 20:13 opened 11:5, 12:12, 20:12 operates 26:22 operator 53:6, 53:7, 53:8, 54:16 operators 54:13, 54:15, 74:1, 75:1, 76:9, 79:6 opinion 22:17, 28:8, 29:2, 29:3, 35:15, 35:17, 37:15, 44:9, 44:15, 44:16, 45:8, 45:22, 46:2, 46:16, 47:4, 49:6, 49:7, 50:10, 55:10, 63:17, 63:18, 65:15, 68:13 opinions 13:7, 13:11, 13:15, 13:22, 14:4, 15:2, 15:19, 16:2, 22:20, 23:1, 23:8, 23:11, 23:13, 23:17, 23:18, 23:22, 24:22, 25:11, 32:13, 32:19, 43:20, 43:21, 44:1, 44:3,	44:7, 44:11, 45:10, 49:10, 49:13, 49:17, 49:21, 50:2 oral 1:17, 2:3 order 26:2, 26:5, 51:3, 51:7 orders 80:19 ordinary 24:8, 24:11, 24:13, 25:6, 25:13, 43:16, 45:16, 45:18, 46:5, 46:7, 46:18, 46:20, 50:18, 50:19, 50:21, 57:8 original 69:17, 76:12 other 14:3, 16:11, 16:15, 17:13, 18:18, 23:7, 26:5, 26:7, 30:6, 34:5, 35:16, 36:13, 36:22, 37:10, 37:22, 38:6, 46:10, 49:8, 49:15, 49:22, 52:9, 56:6, 57:14, 58:14, 59:13, 60:5, 60:14, 60:16, 61:2, 61:3, 61:8, 61:10, 61:21, 65:15, 66:4, 67:9, 68:18, 72:2 otherwise 6:12, 71:1, 82:5 out 7:22, 8:9, 24:16, 27:15,
--	--	--	---

56:8, 73:15, 74:18, 74:19 outcome 82:6 over 22:16, 32:1, 38:20, 53:17 overlapping 41:3, 56:11 own 25:19, 72:11, 73:15, 77:20 owner 1:10, 3:13, 15:13	parameter 56:1 part 16:13, 32:13, 48:12, 51:8, 51:12, 53:12, 60:22, 61:1, 61:12, 63:6, 64:4, 72:22, 74:2, 74:6, 75:2 partes 14:9, 15:1 participated 16:4, 16:8 particular 40:5, 70:7 parties 25:22, 82:2, 82:4 partly 7:19, 7:20 parts 60:21 party 81:14 pass 80:11 past 20:2 paste 50:4 patent 1:1, 1:2, 1:10, 1:14, 3:13, 8:18, 9:4, 9:7, 9:8, 9:11, 9:17, 10:7, 11:9, 11:14, 11:22, 12:14, 14:9, 15:13, 18:3, 18:6, 19:1, 19:5, 19:8, 21:9, 21:13, 21:18, 21:22, 22:7, 22:14, 22:18, 23:8, 23:19, 25:14, 25:18, 26:8,	26:11, 26:17, 26:22, 29:8, 32:7, 32:11, 32:16, 32:22, 36:17, 37:9, 37:16, 43:19, 49:4, 49:9, 50:7, 54:10, 55:5, 62:3, 64:20, 65:13, 65:19, 65:21, 66:19, 69:20, 70:8, 70:18 patentee 65:17 patents 21:17 pdf 13:3 pending 6:19, 47:14 people 16:11, 16:16, 17:13, 38:3 performed 51:7 period 60:14, 61:8, 61:9 person 23:20, 24:7, 24:10, 24:13, 36:21, 37:8, 43:16, 45:17 petition 7:22, 8:9, 14:8, 14:13, 14:16, 14:21, 15:1, 23:15, 23:22, 32:17 petition's 24:17 petitioner 1:7, 3:2 ph 1:18, 2:3, 4:2, 5:2, 81:7, 81:19 phone 7:6, 7:8,	31:15, 31:19 phrase 24:7, 30:11, 37:20 phrasing 29:16 places 66:4, 73:20 plain 25:6, 25:12, 45:16, 46:4, 46:6, 46:18, 46:20, 50:17, 50:18, 50:21, 57:8 played 56:10, 57:20, 58:6 playing 56:17, 60:6, 61:7, 62:10, 62:11, 62:15 please 5:9, 5:10, 6:12, 10:14, 11:20, 25:3, 33:1, 42:6, 71:6, 75:21 plural 49:1 plurality 27:7, 27:10, 29:10, 29:17, 29:22, 30:14, 33:11, 36:2, 36:6, 36:9, 39:6, 39:7, 41:2, 50:14, 50:17, 51:1, 65:22, 70:10 point 42:4 pointed 79:3 points 16:12 police 30:18, 30:22,
P page 4:2, 4:8, 4:15, 8:5, 10:13, 13:3, 20:22, 21:4, 51:5 pages 1:26, 7:21, 7:22, 8:4, 8:8, 8:9, 51:5 paid 18:4 paragraph 13:1, 13:5, 13:6, 13:10, 13:13, 13:18, 14:1, 14:5, 14:7, 15:6, 24:13, 24:15, 24:16, 25:2, 25:21, 73:22, 74:10, 74:11, 74:14, 74:20, 74:22, 75:12, 75:18, 76:6, 76:7, 76:18, 77:16, 78:11, 78:13, 78:16, 78:20, 79:4, 79:5 paragraphs 24:5			

51:21, 52:4, 67:1, 67:2, 67:4, 67:21, 67:22, 68:4, 68:5, 68:12, 71:22, 72:5, 72:21, 73:18, 74:3, 74:9, 74:16, 74:21, 75:3, 75:7, 75:15, 75:22, 76:10, 76:13, 76:21, 76:22, 77:6, 77:8, 77:18, 78:1, 78:2, 78:5, 78:6, 78:12, 78:13, 78:19, 78:22, 79:8, 79:12, 79:16 portion 54:20 posita 28:1, 35:1, 37:14, 38:5, 43:9, 46:15, 47:5, 52:20, 67:11, 73:22 positions 23:2, 23:5 possibility 66:12, 71:13 potential 32:15 preamble 33:5, 33:6, 33:8, 33:20, 34:6, 34:10, 34:14, 36:1, 36:8, 39:2 precludes 51:10, 51:14, 52:16 predefined 56:1 prepare 17:9, 17:18 prepared 50:5, 50:10	prerecorded 51:11, 51:15, 52:2, 52:10, 52:17, 53:2 present 16:9, 16:13 presented 9:18, 11:1, 11:16, 12:8, 20:8 previous 42:10, 57:17 previously 9:16, 9:18, 10:22, 11:1, 11:14, 11:16, 12:7, 12:8, 16:1, 20:8, 28:13, 31:8 principles 22:5, 34:2, 34:22, 35:20, 38:18, 40:3, 40:10, 40:13, 43:9, 44:20 printed 8:6 prior 15:4, 20:17, 32:16, 32:18, 32:19, 44:3, 45:1, 45:3, 45:11, 46:2 priorities 55:19, 56:12, 63:1 priority 56:18, 56:22, 57:11, 57:14, 58:5, 58:9, 58:11, 58:14, 58:15, 58:19, 58:21, 59:4, 59:10, 59:11, 59:13, 59:17, 59:18, 59:19, 60:1, 60:5, 60:10, 61:4,	61:18, 62:11, 62:22 problem 65:18 process 16:14, 45:20 proposed 25:17, 25:19 provide 15:20, 16:2, 19:15, 20:3, 21:12, 23:13, 23:16, 24:3, 24:12, 24:14, 25:21, 47:4 provided 9:1, 23:22, 32:19, 35:16, 38:12, 43:20, 44:15, 44:16, 49:13 providing 43:21, 44:3 public 2:6, 66:4, 73:11, 81:1, 81:4, 82:13 publication 12:1 pull 20:5, 40:15 purposes 22:8, 26:7 pursuant 2:5 put 45:17, 60:17 Q qualifications 24:14, 24:15 question 6:13, 6:19, 6:20, 15:17, 19:16, 20:4, 20:17, 22:22, 23:6, 28:9, 28:10, 28:18,	31:16, 35:5, 35:18, 36:18, 37:7, 38:12, 38:17, 39:20, 41:18, 42:7, 42:8, 42:13, 42:16, 43:1, 43:5, 44:19, 44:22, 46:19, 47:14, 50:6, 50:9, 50:16, 51:12, 52:7, 52:14, 52:19, 52:20, 53:1, 54:5, 57:16, 59:6, 60:15, 60:22, 61:6, 61:10, 63:10, 64:1, 66:21, 67:19, 69:17, 69:22, 70:16, 71:1, 71:2, 71:5, 71:17, 71:19, 72:14, 72:19, 73:8, 74:7, 74:11, 74:18, 75:10, 75:21, 75:22, 76:12, 78:9 questioning 7:9, 47:11 questions 5:20, 6:9, 6:12, 33:22, 40:11, 40:18, 55:8, 80:11, 80:13 quotation 17:5 quotations 17:6 R radio 27:10, 29:17, 66:13 radios 79:9
---	--	--	---

Transcript of Robert Akl, Ph.D.
Conducted on September 13, 2024

97

rate 18:5, 18:8, 18:11, 18:15 rdr 1:27, 2:6, 81:3 read 23:15, 30:11, 33:1, 33:3, 35:1, 38:19, 39:11, 40:4, 40:7, 41:5, 51:16, 52:20, 73:9 reading 47:5, 53:16 reads 43:10 ready 11:12 really 52:3 reason 6:7, 22:4 rebuttal 22:11, 23:16, 23:22, 43:21, 44:3 recall 14:15, 17:14, 21:19, 37:18, 55:7 receive 48:22 received 27:11, 29:18, 30:15, 46:12, 51:3, 53:11, 53:14, 55:19, 55:21, 66:12, 71:14 receives 27:7, 29:9, 29:21 receiving 18:18, 33:11, 39:4, 39:9, 40:21, 41:1, 48:14, 49:5,	50:7, 51:6, 55:6, 57:18 recess 47:17, 80:3 recitation 55:13 recite 39:16, 53:5, 53:18, 54:6, 55:12 recited 25:17, 38:9, 38:14, 45:12, 63:6, 64:4 recites 33:9, 33:15, 39:4, 40:21, 48:6, 48:9, 55:18, 56:8, 56:17, 56:21, 62:9, 62:21, 64:16 recognize 10:3, 11:7 recollection 15:13, 34:3 record 5:10, 47:19, 53:20, 54:1, 54:3, 80:2, 80:5, 80:16, 80:18, 80:22, 81:11 refer 9:7, 9:11, 10:9, 12:3, 12:17, 15:6, 39:2, 40:20, 55:16, 75:12, 75:13, 78:11, 78:13 referenced 4:14 referred 34:7, 36:5 referring 9:8, 9:12, 10:10, 12:4,	12:18, 15:10, 15:15, 26:3, 54:21, 70:7 refers 67:16, 70:13, 78:1, 78:3 reflect 13:13 regard 39:21 regarding 21:13, 21:16, 22:11, 41:18, 42:9, 42:13, 43:6, 45:10, 49:14, 64:2 relate 23:18, 40:14 related 21:7, 55:8, 82:1 relationship 64:12, 79:19 relevant 53:1 relied 13:7, 13:11, 13:14, 17:21, 32:16 rely 73:7 remember 15:5, 16:15 remotely 2:4, 81:19 render 44:9, 45:22, 46:2, 46:16 rendered 22:20, 23:1, 28:8, 37:15, 44:10, 49:21, 65:14 rendering 24:22, 32:13, 45:10, 49:9 repeat 57:16	report 21:16, 22:11 reported 1:27 reporter 42:19, 71:7, 80:15, 80:20, 81:1 represent 28:6, 28:11 represented 81:15 represents 19:4, 19:11 require 36:8, 41:10, 42:18, 43:2, 48:14, 49:5, 50:7, 55:5, 63:5, 64:3 required 34:17 requires 57:4, 57:18, 62:14 requiring 41:21 reside 5:12 respective 31:6, 32:1 responded 41:22 response 38:12, 39:22, 59:15, 61:13, 72:21 results 66:11, 71:13 retained 18:12, 18:16, 21:3, 21:7 review 13:17, 13:21, 14:3, 14:9, 14:12, 14:16, 15:2, 22:2, 37:13
--	--	--	---

Transcript of Robert Akl, Ph.D.
Conducted on September 13, 2024

98

reviewed 14:8, 14:17, 15:2, 17:20, 32:18 right 6:16, 11:11, 15:14, 21:10, 26:3, 26:10, 28:17, 29:11, 31:11, 31:15, 33:16, 35:22, 48:11, 50:14, 55:13, 57:19, 57:21, 59:2, 61:15, 61:16, 63:21, 73:9, 73:18, 74:9, 75:8, 78:2 robert 1:18, 2:3, 4:2, 5:2, 5:11, 81:7, 81:19 role 20:1, 20:17 room 7:1, 7:6 ross 3:6	60:18, 63:14, 64:8, 79:6 saying 19:17, 63:12, 63:20, 71:20, 78:17 says 29:17, 54:15, 57:6, 58:18, 65:1, 65:4, 65:8, 70:12, 73:10, 73:11 scenario 57:13, 61:17 school 66:3 schools 73:11 scope 21:15, 22:1, 23:4, 35:13, 43:18, 43:21, 44:6, 44:10, 44:13, 44:19, 45:13, 46:1, 49:8, 52:22, 58:2, 68:4 se 37:20, 40:16, 45:4 search 50:11 second 33:1, 40:21, 40:22, 41:1, 41:3, 41:7, 41:11, 41:18, 42:13, 42:18, 42:22, 43:2, 48:9, 48:15, 48:19, 51:2, 51:10, 51:14, 52:16, 53:13, 53:21, 55:12, 55:21, 55:22, 56:9, 56:10, 56:13, 56:18, 57:1, 57:19,	60:22, 63:1, 64:2, 64:4, 64:16, 75:18, 77:7, 77:9 section 13:6, 24:4, 25:5, 64:20, 65:11, 67:15, 69:2, 70:8, 71:11, 75:21, 79:2 see 10:1, 13:8, 14:10, 15:8, 20:13, 22:4, 24:19, 25:9, 27:4, 29:14, 30:1, 33:13, 34:13, 34:15, 36:3, 36:7, 36:11, 47:9, 50:11, 53:8, 54:7, 56:2, 57:2, 62:12, 63:3, 65:1, 65:8, 66:7, 66:15, 75:16, 79:21 seems 30:11, 50:15, 74:18 semantics 60:6 sense 45:2, 59:6, 59:20, 60:7, 60:18, 61:11, 61:21, 62:2 sentence 66:9, 70:12, 73:9, 74:20, 76:6 sentences 70:13, 78:8 separate 7:14, 32:3, 42:12 september 1:21, 2:4,	81:20, 82:9 series 5:20 served 20:18, 22:14 set 81:8, 82:8 sets 13:10, 24:16 setup 49:2 seven 33:15 shaped 30:5 share 9:16, 10:21, 11:13, 12:6 sharing 20:6 shoes 45:17 shopping 66:4 shorthand 81:1 should 22:3, 56:9, 61:8 showing 68:19 shown 31:14, 31:18 shows 31:21, 71:10, 77:12 sign 10:18 signature 10:16 signature-plkal 82:11 significance 33:19 silent 52:8 similar 50:2, 64:1
S			
s 3:1 said 28:13, 46:4, 51:13, 53:2, 65:4 same 18:15, 43:8, 59:15, 64:6, 64:7, 70:21, 79:5 say 5:16, 15:10, 19:3, 22:14, 27:9, 32:14, 33:6, 36:20, 54:14, 54:16, 59:17, 59:18,			

simultaneously 27:10, 29:18 since 47:13 single 62:4, 62:15 situation 57:22 six 74:15 size 45:7 skill 23:20, 24:8, 24:11, 24:13, 24:17, 24:21, 36:21, 37:8, 43:16, 45:18 skipped 65:3 skipping 53:17 slightly 29:16 solid 27:21, 28:16, 30:4, 30:22 solutions 1:6, 4:16, 4:17, 4:18, 21:9 solve 65:19 some 27:17, 27:18, 49:22, 50:1, 53:17, 54:17, 56:5 something 35:16, 43:13, 44:17, 45:2, 45:8, 62:1, 69:11 sorry 35:7, 60:20 sound 6:14 sounds 80:1	spec 72:15 specific 13:20, 29:12, 36:11, 38:4, 43:21, 44:4, 44:11, 44:13, 44:16, 46:3, 46:18, 48:18, 49:13, 78:4, 78:10 specifically 24:4, 40:2, 43:11, 44:9, 45:21, 45:22, 47:3, 49:21, 50:22, 52:2, 52:4, 54:14, 55:9, 59:1, 63:16, 65:14, 67:13, 78:17 specification 25:8, 29:13, 35:2, 35:4, 36:17, 37:6, 37:10, 37:14, 38:7, 38:19, 38:20, 40:4, 40:6, 40:16, 43:10, 43:15, 45:20, 46:16, 47:6, 51:17, 52:1, 52:8, 52:14, 52:21, 52:22, 53:4, 54:13, 54:15, 54:21, 71:18 spent 19:5 sta 1:9, 4:19, 4:20, 19:11, 19:21, 20:2, 20:18, 21:3, 21:8, 22:21, 23:2, 23:10, 81:15 standard 18:11	start 13:1, 33:4, 36:19 started 52:13 starts 30:9, 64:20 state 5:9, 14:7, 25:5, 47:3, 73:22, 74:15, 74:22, 76:8 stated 15:3, 38:5 states 1:1, 29:20, 65:21, 66:10 stating 38:17 stavinoha 3:3, 4:3, 5:6, 9:15, 9:20, 10:21, 11:3, 11:13, 11:18, 12:6, 12:10, 20:6, 20:10, 41:14, 41:17, 42:5, 47:15, 47:18, 47:20, 54:2, 54:4, 79:20, 80:2, 80:4, 80:6, 80:10, 80:17 stavinoha@bakerb- otts 3:10 steps 26:2, 26:5, 33:15, 34:4, 48:17, 51:7 still 76:16 store 57:20, 58:1 stored 56:9, 57:9, 57:10, 57:11, 57:14, 58:6,	58:7, 58:8, 58:12, 58:13, 58:14, 58:15, 58:22, 59:2, 59:3, 59:4, 59:11, 59:12, 59:13, 59:16, 59:22, 60:8, 60:9, 60:10, 60:13, 60:15, 61:2, 61:4, 61:14, 61:15, 61:16, 61:17, 61:22, 62:10, 62:15 storing 56:21, 57:4, 57:6, 58:18, 62:4, 62:6, 62:7 straight 27:17, 28:6, 28:11, 31:6, 31:9, 31:19 street 3:17 stuff 68:18 subheading 65:1 subject 34:16 submitted 10:7, 14:13, 14:15, 14:20, 15:12, 22:2, 22:11 subparts 53:15 subsequent 62:10 subsequently 56:10 suggesting 68:3 suite 3:7, 3:18 support 21:1
--	---	--	--

supporting 70:9 supports 65:22 supposed 22:8, 40:6 sure 16:21, 17:5, 20:5, 29:6, 36:16, 53:22, 70:1, 75:19 sworn 5:3, 81:8 system 27:3, 27:6, 27:11, 27:16, 29:9, 29:19, 29:21, 30:6, 30:17, 31:1, 31:4, 31:14, 31:18, 31:22, 33:10, 34:7, 34:8, 34:11, 34:12, 38:1, 38:2, 38:9, 38:14, 39:7, 41:3, 53:11, 53:14, 65:22, 72:7, 72:13 systems 35:11, 35:12, 70:9 T table 8:5 take 6:16, 6:20, 33:1, 47:14, 47:15, 77:18, 79:22 taken 23:2, 23:5, 81:10 taking 49:2, 74:18, 74:19 talk 23:7, 23:10,	38:3, 72:6, 79:10 talking 52:13, 67:22, 72:11, 72:12, 74:3, 75:4, 75:5, 77:2, 77:5, 77:7, 77:8, 77:20, 79:14, 79:17 talks 67:17, 71:11 teaching 43:15, 47:7 team 78:18 teleconference 1:20 tell 6:2 term 37:16, 45:13, 46:22, 53:5, 54:9, 63:18, 76:20 terms 25:7, 25:13, 25:17, 35:19, 45:1, 46:14, 48:20, 63:18, 77:1, 78:6 testified 5:4, 31:8 testimony 9:1, 15:22, 21:12, 21:20, 21:21, 73:2, 73:4, 81:11 texas 5:13, 6:22 th 10:19, 82:9 thank 20:21, 65:6, 80:21 thanks 35:21 themselves 52:13	thing 6:18, 79:5 things 34:5, 78:4 think 15:3, 21:5, 28:3, 28:9, 28:13, 35:4, 37:3, 37:19, 38:11, 39:12, 39:20, 45:5, 48:17, 49:17, 50:20, 52:1, 52:8, 58:1, 64:12, 65:3, 65:14, 66:20, 69:18, 70:3, 73:19, 80:20 third 49:5, 50:7, 50:11, 55:13 thompson 3:4 thompson@bakerbo- tts 3:11 three 8:4, 8:9, 68:8, 68:17, 68:20 through 9:21, 24:5, 27:20, 28:14, 56:5, 64:11, 71:15, 76:7 thunderbolt 27:18, 27:20, 28:6, 28:15, 30:5 thunderbolts 28:11 ties 63:15 time 1:22, 16:12, 17:3, 17:8, 18:4, 19:4, 41:4, 42:17, 47:12, 53:8,	56:11, 66:14, 80:11, 80:14 times 5:16, 5:18, 19:14, 22:13, 22:16, 35:4, 38:21, 41:22 titled 13:6 today 5:20, 6:5, 6:9, 6:21, 7:9, 7:18, 12:22, 16:9 today's 7:3, 17:9 took 6:1 top 16:17, 22:4 trademark 1:1 transcript 4:7, 80:19 trial 1:2 true 61:1, 81:11 truth 6:2 try 6:16, 63:17 trying 14:22, 61:13, 61:22, 64:12, 65:19, 69:22, 73:13, 76:5 turn 10:13, 26:10, 26:16, 32:6, 32:21, 39:1, 40:19, 55:15 twice 42:9 two 7:21, 8:8, 16:11, 17:13, 23:21, 31:5, 31:22, 32:3,
---	--	--	---

50:13, 50:20, 55:6, 56:16, 60:21, 70:13, 77:12, 78:15 tx 3:8 type 16:18 types 28:22, 36:13, 37:1, 37:4, 37:10 typical 52:11	unfavorable 22:21 unit 66:2, 66:18, 67:18, 68:2, 69:4, 69:19, 70:2, 70:4, 70:11, 70:18, 71:21, 73:14, 75:15, 76:5, 76:11, 76:18, 76:21, 76:22, 78:2, 78:6, 78:13, 79:8, 79:12 united 1:1 units 75:8, 76:1, 76:14, 76:17 until 47:17, 80:3 use 7:8, 8:2, 37:16, 53:7, 70:22, 71:4 user 63:2, 63:5, 63:8, 63:15, 63:19, 63:20, 64:3, 64:8, 64:14 users 31:22, 51:20, 51:21, 66:22, 67:4, 67:6, 67:10, 67:21, 68:5, 68:9, 68:10, 68:11, 69:10, 69:12, 69:14, 70:4, 70:5, 70:6, 71:22, 72:4, 72:9, 72:18, 73:15, 73:16, 74:1, 74:15, 74:21, 75:1, 75:3, 75:6,	75:14, 76:10, 77:2, 77:5, 77:8, 77:12, 77:14, 77:17, 77:20, 77:21, 78:18, 78:21, 79:7, 79:10, 79:13, 79:17 uses 38:20 using 7:3, 30:4, 30:18, 31:5, 31:19, 33:19, 69:7, 71:17, 72:15, 73:4, 73:7, 79:9 usually 65:17	want 60:17, 63:17, 68:19 wanted 50:3 wants 47:12 way 35:15, 47:4, 52:6, 52:9, 52:22, 63:9, 65:15, 82:5 we'll 11:12 we're 12:21, 42:17, 56:5 we've 47:9, 48:3, 64:15, 79:21 week 17:11 welcome 47:21 west 3:17 whatever 61:22 wherein 62:22, 66:1, 70:10 whereof 82:8 whether 23:18, 29:3, 30:2, 42:3, 44:3, 44:17, 45:5, 45:11, 46:2, 50:6, 52:9 whole 42:10, 43:6, 44:10, 44:16, 69:12 williams 15:4, 23:16 willing 64:8 windows 7:11
U		V	
under 6:4, 65:16 understand 5:19, 6:1, 6:11, 9:8, 9:12, 10:10, 12:3, 12:18, 22:22, 28:2, 28:5, 28:10, 30:3, 36:22, 37:9, 38:6, 40:13, 46:15, 51:6, 61:13, 65:11, 67:11, 72:20, 75:11, 76:5, 76:16 understanding 22:10, 24:1, 24:3, 24:5, 24:10, 24:12, 25:12, 33:18, 34:1, 34:16, 34:19, 34:21, 35:11, 35:19, 38:18, 40:3, 40:9, 43:9, 43:18, 44:12, 44:20, 45:19, 46:6, 46:19 understands 73:22 understood 6:13, 35:1		vacuum 36:18, 37:3, 46:9 vague 36:18, 75:10 valid 22:18 validity 22:9, 22:12 various 27:15, 30:6 verbatim 53:16 via 1:20, 2:4 video 1:20 visualize 71:16 vs 1:8	
		W	
		walk 56:5 walking 69:13, 71:14	

Transcript of Robert Akl, Ph.D.
 Conducted on September 13, 2024

102

wire 32:5 wired 31:9 wireless 27:20, 27:21, 28:14, 28:16, 28:20, 28:21, 29:4, 32:4 within 35:12, 36:17, 36:22, 58:2, 68:5 without 64:11, 72:21 witness 9:19, 11:2, 11:17, 12:9, 19:20, 20:2, 20:9, 20:18, 22:14, 47:13, 80:12, 81:7, 81:12, 82:8 word 33:19, 34:13, 34:15, 34:17, 35:3, 35:9, 38:20, 38:21, 46:18, 50:11, 50:17, 53:2, 53:7, 54:7, 54:18, 61:20, 63:8, 65:3, 74:18, 74:19, 76:5 words 29:14, 36:11, 37:19, 38:1, 38:5, 40:1, 43:11, 43:14, 46:9, 46:10, 48:12, 53:17 work 18:3, 18:6, 19:8 works 77:1 wouldn't 14:20, 57:13,	60:18, 67:7 wrote 21:16 x xi 7:22 xii 7:22 y yeah 41:20, 42:12, 57:18, 58:13, 75:22 years 18:16 z zoom 2:4, 7:13 \$ \$795 18:10 . .4287 3:20 .6484 3:9 0 0117859 12:1 01292 1:13, 9:2, 9:4, 9:13 02 47:17 03 80:3 1 1 49:18, 49:19 1001 4:16, 8:18,	10:22, 11:1, 11:7, 11:9, 26:11, 32:8 1004 4:17, 8:19, 11:14, 11:16, 11:22, 12:4 1007 4:18, 8:20, 12:7, 12:8, 12:14, 12:18 102 27:3, 27:6, 27:11, 27:16, 29:9, 29:19, 29:21, 30:6, 30:13, 30:17, 31:2, 31:4, 31:14, 31:18, 31:22 104 30:18, 31:1, 31:5, 54:13, 54:15, 55:3 106 31:15, 31:19, 31:22, 51:20, 74:21, 78:18 11 4:16, 4:17, 13:3, 47:17, 49:14, 49:19 12 4:18, 47:17, 80:3, 80:22, 81:21 13 1:21, 2:4, 81:20 15 65:20, 82:15 150 5:18 17 82:9 18 13:1, 13:5, 13:10, 13:13,	13:18, 14:1, 14:5, 14:7, 15:6 19 51:5 1a 39:3, 39:4, 39:13, 39:16, 42:2, 45:12, 46:21, 48:3, 48:6, 51:7 1b 40:20, 41:7, 41:10, 42:2, 42:20, 43:1, 43:7, 48:4, 48:9, 51:7, 55:16 1c 55:17, 55:18 1d 56:7 1e 56:17 1f 56:21, 57:4 1p 40:21 2 20 4:20, 19:2, 19:4, 51:5 200 22:16 2001 3:6, 15:13, 15:16 2004 12:1 2007 4:19, 8:17, 9:16, 9:18, 10:6, 10:11, 13:2 2008 4:20, 8:17, 19:15, 20:3, 20:7, 20:8,
--	--	--	--

Transcript of Robert Akl, Ph.D.
Conducted on September 13, 2024

103

20:14 2023 1:13, 9:2, 9:4, 9:13 2024 1:21, 2:4, 10:19, 81:20, 82:9 2028 82:15 214.953 3:9 22 25:2, 66:10 23 80:3 25 10:19, 24:5, 80:22, 81:21 29 24:5 2980 3:8 3 30 24:14 31 24:15, 24:16 312.807 3:20 32 24:15 3300 3:18 38 25:21 39 25:21 4 4,914,705 12:15 43 32:22 5 50 35:4, 38:21	52 30:10 552490 1:25 56 55:2 57 1:22, 2:5, 74:10, 74:15, 74:20, 78:11, 78:16, 78:20, 81:20 58 73:22, 74:22 59 55:2 6 60602 3:19 62 29:20 63 29:20 65 75:12, 75:18, 76:6, 76:19, 77:16, 78:13, 79:4, 79:5 7 7,324,802 1:14, 9:5, 9:9 70 3:17 72 10:13 75201 3:8 8 802 9:7, 9:11, 9:17, 10:7, 11:9, 11:14, 14:9, 18:3, 18:6, 19:1, 19:5, 19:8,	21:9, 21:13, 21:18, 21:21, 23:8, 23:19, 25:13, 25:18, 26:8, 26:11, 26:16, 26:21, 29:8, 32:7, 32:11, 32:16, 32:22, 37:6, 37:9, 37:16, 43:18, 49:4, 49:9, 50:6, 54:10, 55:5, 62:3, 64:20, 65:13, 65:21, 66:19, 69:20, 70:8, 70:18 82 1:26 9 9 1:22, 2:5, 81:20 900 3:7 92 74:11	
--	--	--	--

No. 552490

Re: Deposition of **Robert Akl, D.Sc.**

Date: 9/13/2024

Case: Motorola Solutions, Inc. -v- STA Group, LLC (PTAB)

Return to: transcripts@planetdepos.com

ACKNOWLEDGMENT OF DEPONENT

I, Robert Akl, D.Sc., do hereby acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct and complete transcription of the testimony given by me and any corrections appear on the attached Errata sheet signed by me.

September 25, 2024

(Date)

Robert Akl.

(Signature)