UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GOOGLE LLC and MOTOROLA MOBILITY LLC,
Petitioners,

vs.

MULTIFOLD INTERNATIONAL INCORPORATED PTE. LTD.,
Patent Owner.

Case IPR2025-00060
U.S. Patent No. 8,842,080

Oral deposition of

RAJEEV SURATI, Ph.D.

VIA VIDEO/TELECONFERENCE

WEDNESDAY, OCTOBER 22, 2025

9:13 a.m. EASTERN TIME

Job No.: 604276

Pages: 1 - 98

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

Oral deposition of RAJEEV SURATI, Ph.D., held REMOTELY, via ZOOM, on WEDNESDAY, OCTOBER 22, 2025, beginning at 9:13 a.m., pursuant to Notice, before Lisa V. Feissner, RDR, CRR, CLR, Notary Public.

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C O N T E N T S

EXAMINATION OF RAJEEV SURATI, Ph.D. PAGE
By Mr. Ahmed 6

E X H I B I T S

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)

EXHIBITS	PAGE
Google Exhibit 1001	21
Google Exhibit 1005	62
Google Exhibit 1006	84
Multifold Exhibit 2002	12

P R O C E E D I N G S

RAJEEV SURATI, Ph.D.,

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

EXAMINATION

BY MR. AHMED:

Q Good morning, Dr. Surati.

A Good morning.

Q Can you please state and spell your full name for the record.

A Sure. My first name is Rajeev, spelled R-A-J-E-E-V. My last name is Surati, capital S-U-R-A-T-I.

Q Thank you. Have you been deposed before?

A I have.

Q How many times?

A Over 40.

Q Okay. So before we begin, I just want to remind you of some basic ground rules. I'll be asking you questions during this deposition. Your counsel may object, but you must answer your question unless your counsel instructs you not to

answer.

Do you agree?

A I do.

Q Okay. And if a question is unclear, please let me know so that I may rephrase as necessary. Otherwise, I'll assume you understand my question.

Similarly, given we are conducting this deposition remotely, please let me know if you're having any connectivity issues. Otherwise, I'll assume that there's no connectivity issues and you're not having any trouble understanding my questions or communicating your answers.

I will similarly let you know if I'm having any trouble with my connectivity.

Agreed?

A I agree.

Q And our conversation will be transcribed by the court reporter, and it's therefore important that you speak your answers for obvious reasons. The court reporter cannot transcribe gestures. Again, for the benefit of the court reporter, let's

make sure not to speak over each other.

Agreed?

A Agreed.

Q And we will be taking breaks during the deposition, but if you need one, just let me know. If a question is pending, I do ask that you answer the question before requesting a break.

A Okay.

Q Do you have any questions before we begin?

A I don't.

Q And you understand you're under oath today, correct?

A I do.

Q Is there any reason why you cannot testify truthfully today?

A Not that I'm aware of.

Q Thank you.

Did you prepare for the deposition today?

A I did.

Q About how many hours did you spend?

A I'd say about seven hours.

Q When did you begin preparing for this deposition?

A So I initially looked at the material on Sunday and then a little bit on Monday. Then I had a deposition on Tuesday. So Tuesday I spent more time on it. But I met with counsel Monday -- sorry, Sunday and -- maybe Saturday, sorry. I'm having trouble remembering. No, no, it was Monday that I met with counsel. Sorry about that. And then Tuesday night, I spent more time on it. And I spoke with counsel again this morning.

Q And about how much time did you spend with counsel in preparation for this deposition?

A I'd say roughly an hour.

Q Did you meet with anyone else in connection with this deposition?

A No.

Q Okay. You were retained by Multifold in this proceeding, correct?

A Yes, I believe so.

Q And you recall submitting a declaration in this proceeding?

A I do.
Q How many hours did you spend in preparing that declaration?
A I'm guessing something like 15, but I'd have to look.
Q And just so that your answer is clear on the record, about 15 hours, you mean?
A Yeah, approximately, because I'd have to double-check.
Q Okay. And I just want to confirm your location. It looks like you're at your home.
A I am.
Q Okay.
A I was planning to be in my office, but there was too much rain, so I chose to stay at home.
Q Okay. And you're alone in the room?
A I am.
Q Okay. Did you bring any documents with you today?
A No.
Q Okay. Do you have any applications running on your computer other than Zoom?

A I have the desktop finder for finding files.

Q Okay. And do you have your cell phone or any other communication device with you?

A Not at this time, I don't. I just -- I don't know where it is.

Q Okay. I just want to make sure that you're not distracted during the deposition. So that's not a possibility?

A I haven't turned the ringer off that I recall, but it may be in a completely different room. I don't think it's in this room.

Q Okay. And you have a set of the documents related to this proceeding, that were submitted in this proceeding with you?

A Yeah. So I have the documents that I received that I believe are from the docket from counsel related to the 1001 through -- I mean, the petition, the institution decision through a lot of things, and then I have the exhibits related to the 2002 and 2004 and 2005.

Q Okay. And this is -- just so we're on

the same page, I know you've been doing multiple depositions, this is for IPR number 2025-00060 related to U.S. Patent No. 8,842,080.

A Yeah, that's the --

Q Okay. And do the documents you have from this proceeding have any annotations or highlighting on them?

A No. They're the originally downloaded documents. I haven't annotated them in any shape or form.

Q Okay. So they're clean?

A Mm-hmm.

Q Thank you.

Would you please turn to Exhibit 2002 in this proceeding.

(Previously marked Exhibit 2002 presented to the witness.)

A Sure. It's up on my screen.

Q Could you please identify that document.

A Yeah. So this is the Declaration of Rajeev Surati Ph.D., Exhibit 2002. It's a USPTO before the Patent Trial and Appeal Board, Google LLC

and Motorola versus Multifold International, who is the patent owner. It's case number IPR 2025-00060, patent 8,842,080.

Q Okay.

A And it's the document that I submitted, and it's signed at the end, I believe, by me on page 29.

Q So this is the same declaration that you signed and submitted --

A That's correct.

Q -- for this proceeding?

And moving forward, is it okay if we refer to U.S. Patent No. 8,842,080 as the '080 patent?

A Sounds good to me.

Q And is it okay if we refer to your declaration for the '080 patent as the '080 declaration?

A Sure.

Q Okay. Dr. Surati, were you familiar with the '080 patent before you were retained in this matter?

A I was not.

Q Have you been in contact with the inventors of the '080 patent?

A So I think what I can say is that in a prior set of proceedings related to the -- this particular case, I was involved in another case where I happened to meet the inventor. It has to do with multimedia technologies in a case with a set of patents that related -- oh, I guess this isn't a patent by Sanjiv Sirpal. I'm sorry about that. So that's actually incorrect.

So this patent, I actually don't know the inventor. I had this idea that it was the one yesterday that I looked at, I had met the inventor. So I'm sorry to have screwed up the record.

So just to be clear, I don't know the inventor of this patent, so I haven't spoken to them.

Q And so the record is clear, and I believe I also referred to another deposition of yours, and that deposition was in --

A It's with the 00050 matter -- sorry, 59.

Q Okay. That's what I thought. I just wanted to confirm.

Yeah, so when you say that you knew one of the inventors in relation to the deposition yesterday, it was in connection with IPR 2025-00059 --

A Yeah.

Q -- related to U.S. Patent No. 9,141,135?

MR. YANG: I object to the scope and foundation of that question.

A Yeah. The answer is yes. And I didn't mean to add that to this.

Q That's okay. And just bear with me for a second. I'm just pulling up that patent because I want to make sure that the record is clear about who you met.

So you said you met one of the inventors and -- of the '135 patent. Who did you meet?

A I think there's a --

MR. YANG: I object to the scope and foundation of that question.

A Yeah. So I just met Sanjiv Sirpal.

Q Okay. And you didn't meet any of the other inventors of the '135 patent?

A No. And so -- and just for my sake, to be clear, this other '080 patent, I don't know that inventor.

Q I understand.

And then what did you discuss with the inventor of the '135 patent?

MR. YANG: Object to scope and foundation.

A I just met him -- it was in a completely different context that had to do with multimedia technologies and things having to do with TVs. That's it.

Q Did any of the discussions relate to the '080 patent?

A Not at all.

Q Did your discussions relate to the '135 patent that was involved in the proceeding?

MR. YANG: Objection to scope and foundation.

A Yeah, not at all.

Q So Dr. Surati, you have the '080 declaration still in front of you, I assume?
A Well, yeah.
Q Could you please turn to paragraphs 11 to 29 on pages 4 to 9 and just scroll through them. Let me know when you're ready.
A Yeah, I'm just -- I'm on 16 right now.
Okay. I'm finished reading, I mean, or skimming, however you want to put it.
Q Okay. And in these portions, paragraphs 11 to 29 of the '080 declaration, you list your background and qualifications, correct?
A I think so, yes.
Q And you can confirm that these are all accurate?
A Yeah, as far as I know when I just skimmed through it, nothing popped out as inaccurate.
Q And are you a person having ordinary skill in the art with respect to '080 patent?
A Yes, I believe so.
Q And let's turn to page 3 of your

declaration, please.

A Just a moment. Page 3.

Q Page 3.

A The Materials Considered page?

Q That's right. And yeah, so you list the materials you considered in paragraph 9 here, correct?

A That's correct.

Q Did you review any other materials that are not listed in forming your opinions in this declaration?

A You know, in looking at the -- you know, I did look at the petition which has -- and the declaration of Dr. Chatterjee, so there's a number of documents in there that I have probably looked at simply by reading the petition, you know, things like exhibits and things like that.

Q So there were other documents that you reviewed that formed the basis of your opinions in preparing this declaration?

A I'd say just that when I -- just to be clear, when you look at the declaration of

Dr. Chatterjee and the petition, there are documents listed, and those documents -- so having read them, I would have referenced those documents as well, and I don't want to be unclear about that.

So when I list the petition and I list the declaration, those have exhibits in them. And so I want to be clear that I have also reviewed what's in those documents, including those exhibits.

Q Yeah, I understand your answer. But my question is that whether those other exhibits that are not listed here also informed your opinions in this declaration?

A I think in a very slight way. But we'd have to look at a particular thing to say that.

Q Okay. Do you recall any of these other documents that you may have relied on?

A I couldn't tell you off the top of my head, but certainly they include the patents. There may have been a history or something like that, but that's simply it. If you look at the arguments I make, they're pretty straightforward and rely on -- directly on the patents more so. So it would be

more secondary, if at all.

Q In your answer, you mentioned, they certainly include the patents. Could you please clarify what you mean.

A Oh, Exhibit -- sorry. I'm sorry. I'm looking at a screen and I'm saying Exhibit 1005, Exhibit 1006, and Exhibit 1007, and obviously Exhibit 1001.

Q Right. And those are listed in your materials considered. We were talking about documents that are not listed.

A Oh, okay. I can't -- I can't tell you that -- I would just say, you know, to my knowledge, these are the basis of my decision, and I could rest on that. If there's for some reason something in the '080 patent or the petition that I looked at that would have an effect on this, I can't recall it at the moment. But I just wanted to be clear that I had read those documents.

Q Could you please turn to previously marked Exhibit 1001 in this proceeding.

A Sure.

(Previously marked Exhibit 1001 presented to the witness.)

(Technical interruption.)

(Recess from 9:34 a.m. until 9:39 a.m.)

BY MR. AHMED:

Q All right. Dr. Surati, before that break we just took, I believe you were turning to previously marked Exhibit 1001 in this proceeding.

A Yeah. Let me -- I think I didn't quite open it. So just give me a second.

Q Okay.

A So that's -- okay. It's now up. I can see it.

Q Okay. Do you recognize this exhibit?

A Yes. This is the User Interface With Screen Spanning Icon Morphing patent by Eric Freedman, or invented by Eric Freedman.

Q And that is the '080 patent that we referenced previously, correct?

A Yes.

Q Okay. Have you read the '080 patent thoroughly?

A I think so.
Q Is there any aspect of the '080 patent that is unclear to you?
A I don't think so.
Q Okay. Is there any aspect of the '080 patent that doesn't make sense to you from a technical perspective?
A Not at the moment.
Q Okay. Dr. Surati, if you can turn back to Exhibit 2002, your '080 declaration.
A Sure.
Q I want to confirm that in your declaration, when you provided your opinions on claims 1 and 12 with respect to Ogawa, you treated claims 1 and 12 collectively, correct?
MR. YANG: Object to form.
A Just one second.
Q Do you understand my question, Dr. Surati?
A I think you're asking, and just correct me if I'm wrong, whether, in addressing claims 1 and 12, I didn't individually address them; I just

addressed them as a whole.

Q That's right.

A Just let me double-check. I believe the answer is yes, but --

Okay. I think that's correct. Did you hear me?

Q Yeah. Could you please turn to column 14, line 60 of the '080 patent.

A Okay. Yeah, I'm looking at claim 1.

Q Right. And so that is the start of claim 1 of the '080 patent, correct?

A Yeah, mm-hmm.

Q Okay. And is it possible for you to, you know, while having that claim up, also have Figures 5A to 5C of the '080 patent maybe side by side?

A I have a way to do that. Hold on. I think if I do -- hold on a second.

Okay. So I'm able to get them -- I'm looking at one right now. And then I can move -- so I have a way to do it. It's not ideal. But we're looking at Figure 5 now.

Q And you can flip back and forth as well. Whatever works for you.

A Let me try one more thing to see if I can get it into another window. Oh, I have another idea. Hold on, I can do this.

Okay. So I now have -- yep, I now have that.

Q Okay. So at column 14, lines 60 to 61 of the '080 patent, the preamble of claim 1 recites, A method for controlling a handheld computing device including one or more displays, comprising.

Correct?

A That's correct.

Q Okay. And you agree that Figures 5A to 5C of the '080 patent illustrate the method as set forth in the preamble of claim 1?

MR. YANG: Object to form.

A I think that's fair.

Q Moving on to column 14, lines 62 to 63, claim 1 recites, displaying a first screen of an application in a first display condition.

Correct?

A That's right.
Q You agree that Figure 5A shows this claim step, correct?
A I think so.
MR. YANG: Object to form.
THE WITNESS: I'm sorry.
Q You agree that in this claim step of displaying a first screen of an application in a first display condition, the first display condition corresponds to the size of the application window, correct?
MR. YANG: Object to form.
A You're asking about the size?
Q I'm asking, you know, the claim step that we were looking at, displaying a first screen of an application in a first display condition, do you agree that a first display condition corresponds to a size of the application window in Figure 5A?
MR. YANG: Object to form.
A So it can. I think it's an indication that the application is open. But yeah, it's a first state.

Q Is it a first state or a first display condition?

A I see. I guess it would be, as states, display condition.

Q Okay. Moving on to column 14, lines 64 to 66, claim 1 recites, displaying an icon with the first screen of the application wherein the icon indicates that the application is in a first state corresponding to the first display condition.

Correct?

A That's correct.

Q And you would agree in Figure 5A, this claim step is shown by displaying the icon 500 that the first screen 156A, correct?

A I think that's correct.

Q And you'd agree in Figure 5A, the icon 500 indicates the application 156 is in the first state corresponding to the first display condition because the size of the icon 500 is commensurate with the size of application 156A?

MR. YANG: Object to form.

A I think that's consistent.

Q And the last line in column 14, line 67 recites, receiving a gesture input at a gesture sensor.

Correct?

A That's correct.

Q And you agree that the '080 patent generally describes receiving a gesture input at a gesture sensor, correct?

A I think that's fair.

Q And turning to column 15, lines 1 to 2, claim 1 recites, modifying the manner in which the application is displayed in response to the receiving step.

Correct?

A That seems correct.

Q And you agree that in Figure 5B, this claim step is shown by modifying the manner in which application 156 is displayed in response to receiving a gesture input, correct?

MR. YANG: Object to form.

(Cross-talk.)

MR. YANG: Can I ask a question? Did you

say 156 or 156A? I couldn't hear clearly.

MR. AHMED: Okay. Let me repeat the question.

Q You agree that -- Dr. Surati, you agree that in Figure 5B, this claim step is shown by modifying the manner in which application 156 is displayed in response to receiving a gesture input, correct?

MR. YANG: Object to form.

A Okay. I think that's fair.

Q And at column 15, line 3, claim 1 recites, changing the application to a second display condition.

Correct?

A Sure.

Q Okay. And you agree in Figure 5B, this claim step is shown by changing application 156 to a second display condition which includes application screens 156A and 156B, correct?

A That's correct.

MR. YANG: Object to form.

Q And you agree that in Figure 5B, the

second display condition corresponds to the size of the application window, correct?

MR. YANG: Object to form.

A Yeah. So it appears to. I don't know that it's a requirement of the claim.

Q I mean, do you have an opinion on what else the second display condition could be in this claim step?

MR. YANG: Object to form and scope.

A So I think -- just one second.

So I -- just one second. Let me just go back and see.

So I guess I'm thinking of Figure 5A as the first step and Figure 5C as the second step, or the second state, and Figure 5B is sort of the morphing.

Q Could you clarify what you mean by, Figure 5B is the morphing?

A Let me just look at this carefully.

So when I read -- can I take you to line 60 of paragraph -- I mean column 13.

Q Column 13?

A Yeah. So -- I'm sorry, can I talk, or no?

Q All right, go ahead.

A It says, The icon 500 may have a number of states that correspond with the condition of the application. As such, each icon 500 may in a first state. In turn, icon 500 double prime may correspond to icon 500 in a second state (e.g., wherein the application is in a second condition). Icon 500 prime may represent icon 500 in a state between the first state and the second state.

So I'm just kind of referring -- I guess it's kind of a state. So maybe you and I are agreeing and disagreeing at the same time that that could be considered a second state, I guess.

But when I read this -- when I read this, I think about -- maybe the way I read it was that it could be considered morphing or maybe it's between the two. But the idea is that there's a way to morph between Figure 5A and Figure 5C. But I guess you could also say between Figure 5A and Figure 5B, there's also potentially some morphing that's going

on in between.

Q Okay. And just to be clear, where were you reading from?

A Oh, yeah. Just -- I'm just reading from the patent. If you go to column 13 and you read line 60 through 65.

Q Okay. And that's column 13, lines 60 to 65 of the '080 patent?

A Yeah. I'm just trying to explain to you, this is what I read. So when you start reading first state and second state there, it's a little -- it's clear but it's not --

(Cross-talk.)

A I'm sorry.

Q So you are -- I apologize for talking over you. Are you --

A I'm done.

Q Okay. We were at the claim step at column 15, line 3 where claim 1 recites, changing the application to a second display condition, correct?

A Yeah.

Q So you were referring to states, which I believe, you know, in the claim correspond to the display conditions, right?
A Yeah.
Q And the states are related to the icon --
A Yeah.
Q -- correct?
But going back to this claim step -- and I believe you alluded to this in your previous answer where you said Figure 5B could also illustrate some of these claim steps, correct?
A That's right.
MR. YANG: Object to form.
Q Okay. So again, going back to that claim step at column 15, line 3, which recites, changing the application to a second display condition.
You see that?
A Yes.
Q Okay. And you agree that in Figure 5B, that claim step is shown by changing application 156 to a second display condition, which includes application screens 156A and 156B?

MR. YANG: Object to form.

A Yeah. I think that, having gone over that, I agree.

Q And you agree -- you agree in Figure 5B, the second display condition corresponds to the size of the application window, correct?

MR. YANG: Object to form.

A So in that particular example, that appears to be the case.

Q Moving on to the next part of the claim, column 15, lines 4 to 7, claim 1 recites, morphing the icon to indicate that the application is in a second state corresponding to a second display condition, the morphing comprising changing the shape and size of the icon.

Correct?

A Yeah.

Q Okay. Do you agree that in Figure 5B, this claim step is shown when the icon 500 is morphed into icon 500 prime to indicate that application 156 is in a second state corresponding to the second display condition, correct?

A Yeah. I would just state that as I don't know that it's displayed that way, but it's morphing from 500 to 500 prime. So it might be in between that you see the morphing.

Q And column 15, lines 8 to 9, claim 1 recites, wherein the first and second states comprise an open application state.

Correct?

A That's correct.

Q Okay. You agree in Figures 5A and 5B, this claim step is shown as the icon indicates to a user a state of the screen; for example, the screen is in expanded mode, unexpanded mode, or expanding mode, correct?

MR. YANG: Object to form.

Q Do you understand the question, Dr. Surati?

A I'm not sure I understand the question, so can you repeat it again?

Q Sure. Let me try to rephrase it.

So you understand we're talking about the last clause of claim 1 --

A Right.

Q -- wherein the first and second state comprise an open application state.

My question was whether in Figures 5A and 5B you agree that those figures show that the icon indicates to a user an open application state. So the icon 500 in Figure 5A and the icon 500 prime in Figure 5B indicate an open application state?

A I think that corresponds to the description, so yes.

Q Okay. And what do you mean when you say that it corresponds to the description?

A Just that, as I understood the description of things being in an open state, that it corresponds to the application being open, that, you know, this is probably the only example in the patent where they talk about this and they talk about open states. And I'm just saying that, you know, this is how I understand this particular example, what they're showing.

Q Could you point me to where in the '080 patent description they describe an open application

state?

A Oh, I guess that's -- I guess that's a claim term. Maybe I'm -- I guess I don't have a place that I could point to there. Maybe I just kind of interpreted that. I realize that's a claim -- only in the claims. And I just was mapping that onto the description.

But I agree with you that that's an open application state.

Q What makes that an open application state?

MR. YANG: Object to form.

MR. AHMED: Let me rephrase the question, actually. Thank you, Mitch.

Q What makes icons 500 and 500 prime in Figures 5A and 5B indicate an open application state?

A Well, I think it's within -- it's the only example that I know about in the -- or it's the only figure showing what I think are the notions that it's an open application state. It says that it has to do with the application, and that it is --

it's indicating something about that application in that particular -- in that particular state.

I could try to -- let me just go here and go -- hold on.

So I think in -- going back to that --

So I think if you just go through this discussion, lines 60 through, say, 14 in the description where they talk about applications like a state and -- a state, an endpoint, and those points 500, 500 prime, and 500 double prime, they have to do with the application, and I think in the claim they're indicating that that sort of -- at least my mapping of it seems to indicate that that's an indication that the application is open.

And then it goes on to say something about -- let me just see the -- it says, a second display 104 including a desktop screen 138. That suggests that 138 doesn't have the application but 138 is part of the desktop.

So I'm intuiting from there that the application is open based on the fact that that icon -- the gesture was done, which it describes,

that causes it to overtake some of the desktop on Figure 1 -- sorry -- on the second screen, but referred to as D2. But now that has been reduced in Figure 5B. That's kind of my answer.

Q You are referring to, I think, line numbers in the '080 patent. I was looking at your answer. Can you just -- you know, for the clarity of the record, could you please provide the column number and line number when you're referencing the '080 patent or any of the other documents.

A Yeah. I can be clear that what I was referring to back there was column 13, line 60 going over into column 14 through lines 13.

Q Okay.

A I'm sorry I didn't do that. I should have done that.

Q No problem.

That portion of the '080 patent doesn't describe an icon comprising an open application state, does it?

MR. YANG: Object to form.

Q Do you understand my question,

Dr. Surati?

A I don't know that it explicitly says the word "open application state." So I can agree with that.

Q Isn't it true that --

A It --

(Cross-talk.)

Q I apologize. I didn't realize you weren't finished.

A No, I stopped. So let me just -- it does use the word "state," wherein application is in a second condition, on line 63 where it says, in column 13, In turn, icon 500 double prime may correspond to icon 500 in a second state wherein application is in a second condition.

So the word "open" is not used there.

Q Isn't it true that the '080 patent describes the icon as indicating a state of expansion of the screen?

A Where does it say that?

Q I'm asking you the question. Like, do you --

(Cross-talk.)

A I mean, I think that -- and you're talking about "screen" as "screen" is used in this patent?

Q That's correct.

A So when it talks about this, it talks about a first screen of an application, a first display condition. And later it talks about -- I think it has to do with -- I mean, it definitely talks about a state of an application or a state -- a second state, e.g., wherein an application is in a second condition, it talks about the icon indicating something about the state of the application in a particular condition.

And you're saying that it's -- the condition is the state of expansion? Let me just clarify that.

Q That's correct. The state of expansion of the application screen.

A I think it's implied. I don't know that it's directly stated.

Q Let me turn you to column 13, lines 35 to

37 of the '080 patent.

A I see, okay.

Q Could you please read that into the record.

A Sure. To this end, a screen may include an icon which indicates to a user the state of the screen -- I'm sorry, I'll slow down.

To this end, a screen may include an icon which indicates to a user the state of the screen (be it in an expanded mode, unexpanded mode, or expanding mode).

Q Okay.

A So I guess in some ways, yeah.

Q And the same with -- if you turn to column 16, lines 20 to 23 where you'll see claim 13 --

A Yeah.

Q -- of the '080 patent.

Do you agree that here, too, the '080 patent described the icon is indicative of whether the application is expandible, whether the application is expanded, or whether the application

is expanding, correct?

A Just to be clear, you're referring to lines 20 through 23 of column 13?

Q Lines 20 to 23 of column 16. I apologize. Did I say column 13?

A You may not have. Okay.

Ah. That claim seems to say that.

Q And claim 19 at column 16, lines 38 to 41, similarly says that, the icon indicates one of three states, the three states including an expandible state, an expanded state, and an expanding state.

Correct?

A Sure.

Q So the '080 patent only describes the icon as being indicative of a state of expansion of the application window, correct?

MR. YANG: Object to form.

A So I think a couple things. One is that it uses the word "may," which indicates it could be more than that.

The second thing is that these particular

claims that you're pointing to are dependent claims. And if we look at state 1, it uses the word -- sorry, not state 1 -- claim 1, it uses the word "second state," and that seems to be more general than those particular things.

But if you read the patent, what you're saying is reasonably true in the sense that those are the only descriptions.

Q And you weren't able to point to any other description in the '080 patent that describes an icon as being anything other than indicating a state of expansion of the application window, correct?

MR. YANG: Object to form.

Q Do you understand my question, Dr. Surati?

A Yeah, I think so. I'm just trying to say that -- just a moment. I want to double-check if you don't mind.

Q Please take your time.

A So what I seem to see is that, as you had said -- I don't see a particular place where it

explicitly says anything like that. But I'm just noting that the independent claims don't seem to restrict that in terms of the states.

Q Would you please turn to paragraph 55 of your '080 declaration, which is Exhibit 2002.

A Sure. 2002. Okay.

Q Okay. You agree that you have not offered an opinion on the claim construction for the term "open application state," correct?

A I think I'm -- I'm not offering an opinion; I'm using it.

(Reporter interruption.)

Q I want to clarify what you said. I thought what you said was, I'm not offering an opinion; I am using it. I think that's what he said.

A Yeah, I probably said that, but that's what I meant. So I'm sorry.

Q Okay. So let me just ask the question again.

A Okay.

Q Do you agree that you have not offered an

opinion on the claim construction for the term "open application state," correct? A yes or no would be easier for me.

A Yes, I have not offered such an opinion in this proceeding.

Q Okay. And you state in paragraph 55 of your '080 declaration that your opinions do not change regardless of whether the plain and ordinary meaning of the claim term "open application state" is applied or the construction proposed by Multifold is applied, correct?

A I think that's correct.

Q Okay. So you agree that the claim construction dispute regarding this claim term "open application state" is irrelevant to your opinions regarding Ogawa, correct?

A That's what I've said.

Q Dr. Surati, as we talk about claim 1, can we please turn to your discussion of this claim in paragraph 66 to 67 of your declaration starting on page 22.

A Sure.

Q Please let me know when you're there.
A I am on page 22 now.
Q Okay. You see in that portion, and particularly in paragraph 67, you focus in on three parts of the claim, correct?
A Yes.
Q Okay. You agree, as we just discussed earlier, the claim requires displaying an icon that indicates the application is in a first state, correct?
A Yes, sir.
Q Are you okay with referring to this step as the second step of claim 1, as you referenced to it in paragraph 67?
A Okay.
Q Okay. And you agree, as we discussed earlier also, the claim also requires morphing the icon to indicate that the application is in a second state, correct?
A Correct.
Q And you would be okay with referring to this step as the sixth step of claim 1, just like

you do in paragraph 67?

A Yeah.

Q And the claim also recites that, the first and second states comprise an open application state.

Correct?

A Right.

Q Okay. And you're okay with referring to this step as the open application state limitation of claim 1?

A Okay.

Q And you would agree that in claim 1, the second step of claim 1 recites, displaying an icon that indicates the application is in a first state, that first state could be a state other than an open application state?

MR. YANG: Object to form.

Q Do you understand the question, or do you want me to rephrase it?

A No, no, I'm trying to understand it.

Just to -- are you asking about a system that meets all of the limitations, or that the first

state might not be an open application state?

Q The latter.

A But then it wouldn't meet the limitation. In other words, if it -- if it wasn't in an open application state, it wouldn't meet 1, 2 and where the first instance of that -- that third limitation where the first and second states comprises an open application state. I think that's possible.

Q I'm trying to understand your answer.

A Okay.

Q I guess if we take it to a higher level, in the context of claim 1 --

A Right.

Q -- claim 1 recites that in the second step, the icon indicates that the application is in a first state.

A Right.

Q And it doesn't explain what that state is.

A That's correct.

Q Actually, I withdraw that question.

A Okay.

Q It says that the icon indicates the application is in a first state corresponding to the first display condition.

A Yeah, with that limitation.

(Cross-talk.)

Q Right. So -- and as we talked about earlier, that first display condition could be the size of that application window, correct?

MR. YANG: Object to form.

A Okay.

Q And similarly, when we're talking about the icon morphing to indicate that the application is in a second state, in that sixth step of claim 1, it says, morphing the icon to indicate that the application is in a second state corresponding to a second display condition.

Correct?

A Yeah.

Q So there, again, the icon morphs into something that indicates a second display condition, and we talked about this with respect to Figures 5A and 5B, that second display condition is indicative

of, for example, the extended size of the application in Figure 5B, correct?

A It could be, yeah.

Q Okay. So in both those cases, the icon is indicative of the size of the application window, and the last step of claim 1 says that the first and second states comprise an open application state.

So they include an open application state, but you agree that the first and second state, they're not limited to an open application state, correct?

MR. YANG: Object to form.

A I don't think the systems are limited to being -- if you're asking are there multiple states and they don't have to be in an open application state, I think that's fair. I don't -- yeah, I don't think I have a dispute with that.

Q When you say the systems are not limited -- let me withdraw that question.

A Okay.

Q When you say that you don't think the systems are limited to multiple states and they

don't have to be in an open application state, you're talking about the first state and the second state of the icon, correct?

A That's right.

MR. YANG: Object to form.

Q Dr. Surati, could you turn to column 11, lines 28 to 37 of the '080 patent.

A So what were -- 37?

Q So column 11, lines 28 to 37.

A Oh, okay. 28. Okay. I'm looking at column 11, line 28. Is there -- it says -- I think that's 27, Alternatively, when the device is in an open position.

Q I apologize. I meant column 9. Sorry.

A Okay.

Q So please refer to column 9, lines 28 to 37 of the '080 patent.

A Single screen applications?

Q Yeah.

A Okay.

Q Let me know when you read it and are ready to talk.

A Okay.

Q All right. You agree that this portion of the '080 patent, column 9, lines 28 to 37, is describing single screen applications and multi-screen applications, correct?

A I agree.

Q Could you please explain the difference between single screen applications and multi-screen applications.

A So I think it's a single screen application can only be on one screen, or can only -- is one that can only occupy a single screen -- sorry, a single display at a time.

And a multi-screen application is one that can occupy both a first and second screen -- sorry, first and second display in some way.

Q Now if you can turn to column 11, lines 22 to 36 of the '080 patent.

A What was the column again?

Q Column 11, lines 22 to 36.

A Figures 3I --

Q Let me know when you have a chance to

review.

A It was 22 through what?

Q 36. That paragraph.

A Okay. And could we take a break at 10:30?

Q I have just a few questions on this portion. Do you mind if we finish, but if you really need to take a break at 10:30, that's okay.

A Yeah. If we can --

(Cross-talk.)

A I need to go to the restroom. I'm sorry.

MR. AHMED: Okay. Do you want to take a break now?

THE WITNESS: If you don't mind, yeah.

MR. AHMED: Let's take a break now.

(Recess from 10:28 a.m. until 10:39 a.m.)

BY MR. AHMED:

Q Dr. Surati, just before the break, we were looking at column 9, lines 28 to 37 of the '080 patent, correct? Sorry.

A You said column 11, right?

Q Right. Before the break, we were looking

at column 11, lines 22 to 36 of the '080 patent, correct?

A And we were looking at Figures 3I through K, sure.

Q Yeah. And you agree that Figures 3I to 3K describe or show multi-screen applications, correct?

A Yes.

Q Okay. And Figure 3I shows multi-screen application 152 in a single display 102, correct?

A Let me just turn to those again because I was looking at them -- okay. So 3I, yeah, that's right.

Q Figure 3J shows multi-screen application 152 in the first display 102 and a desktop screen 138 and in second display 104, correct?

A Yeah.

Q Figure 3K shows one screen of multi-screen application 152 in the first display 102 and another screen of multi-screen application 152 in the second display 104, correct?

A Yes.

Q Is it possible for the first screen of multi-screen application 152 on first display 102 to be open while the second screen of that same application 152 on second display 104 to be closed?

MR. YANG: Object to form and scope.

Q Do you understand the question, Dr. Surati?

A Let me talk through what I understood you said. And I'm not answering I understand that.

So you're saying -- in which figure are we pointing to? I guess Figure 3K?

Q Figure 3K.

A Is it possible if the phone is closed or, sorry, whatever it is, the device is closed --

Q No.

(Cross-talk.)

Q Let me try to rephrase the question.

A Okay.

Q Is it possible in Figure 3K -- or I think more generally, when you have a multi-screen application, right, with one screen of that application in a first window, a second screen of

that application in the second window, is it possible for one screen of the application to be open while the other screen of the application is closed?

MR. YANG: Object to form and scope.

A Yeah, what do you mean by "open" and "closed"?

Q Do you understand application 152 in Figure 3K to be open?

MR. YANG: Object to form and scope.

A I'm still a little confused about -- so the application -- so the patent claims talk about an open state. The word "open" and "closed," when they appear with regard to application 152, talk about the device being open and closed. So I'm just trying to clarify what you mean by "open" and "closed."

Q Okay. I want to turn your attention to paragraph 71 of your '080 declaration.

But before we do that, I heard some beeps. They're not from my computer. I just want to make sure --

A I'm upstairs. And downstairs, it might be the laundry machine or something. I don't know.
Q It's not any --
A I can close the door, sure. It's nothing, yeah. I mean, I think I heard something when you were talking, but I was concentrating on what you were asking.
Q Okay. That's not an alert or a notification --
A No.
Q -- of messages you're receiving or anything like that?
A No, no, not at all.
Q Okay. I just wanted to make sure.
A We won't be bothered by that, I hope.
Q So if you turn to your '080 declaration, paragraph 71, you talk about an open application, right?
A Ah.
Q So I'm asking you about your understanding about what that means. What does it mean for an application to be open?

A I just wanted to make sure I wasn't -- I think I have an understanding of that. I just wanted to make sure you weren't asking me something about --

Q And if it makes it easier, we don't have to look at Figure 3K. We could even look at Figures 5A to 5C of the '080 patent, as we had been talking about.

A Yeah, okay. So you want me to go to paragraph 77.

Is that right?

Q 71 of your declaration.

A Ah.

Q And paragraph 70 as well, paragraph 70 right before that.

A Okay.

Q Do you agree there that you provide your opinion on applications being open on a screen?

A I think I'm saying that -- I think I'm trying to say that the -- the Ogawa reference is indicating that that portion of the screen is active. And I'm trying to say that it could be a

desktop and it's active; it could be application 1 and it's active; it's application 2 and it's active. That portion of the screen, we can't say what's on that screen.

And so I'm simply trying to say, it can't indicate that it's an open application because it's indicating the screen is active. The state of the application or desktop underneath it is not clearly that of an open application because it could be a desktop, it could be another application. It's not indicative of that particular application being open. It could be a desktop.

That's kind of what I'm trying to explain, and maybe I didn't say it in the right way. Sorry, not in the right way, but clearly.

Q I'm trying to understand your answer. You said that it can't indicate that it's an open application because it's indicating the screen is active.

You're referring to "it" as the icon in Ogawa?

A Yeah, that's right.

Q My question is, what is -- what is an open application?

(Cross-talk.)

MR. YANG: Object to form.

Q You're trying to distinguish between an open application, and if I understand correctly, an active screen. And so I'm trying to understand the difference between the two.

A I guess I'm trying -- so an application on that screen, if it's active, would probably be open, right. But it could also be a desktop. So all I'm trying to say is that just because a screen is active is not an indication necessarily that there's an open application on that screen because it could be a desktop.

Q All right. So the icon in Ogawa, which is the shaded or colored portion of access bar 42 in Figures 4B and 4C of Ogawa --

A Right.

Q -- could indicate an open application state, but it doesn't necessarily do that, according to your opinion?

MR. YANG: Object to form.

A I would say that if you happen to see that icon, it indicates that part of the screen is active, and there could be an open application on the screen, but there doesn't have to be.

So I'm not sure I could say, oh, if it's active and there's an application on the screen, then you could say probably, okay, that application is active -- sorry, is open.

But just because you see -- if I were to just tell you, oh, the -- if I just put your hands over your head and I said, oh, the left-hand side of the screen -- I mean, of that diagram 42 is lit up, is there an application that's open on that screen? You wouldn't know because you don't know if there's an application open on that part of the screen -- I mean, literally there as opposed to it's just the desktop.

I think that's what I'm trying to say is that if you say -- if I make that statement, you don't know that there's an application there on that screen, A; and B, if it is, and that's active, it

probably would indicate that it's open, but it's not necessarily an indication that there's an open application on that screen just because it's active.

Q So your understanding of Ogawa is that if a program is being displayed on one of its screens in Figures 4B or 4C, like screen 13A, for example -- your understanding is if that screen is extended from Figure 4B to Figure 4C of Ogawa, that --

A Can I look at -- do you mind if I just --

Q Yeah, let's do that. So for the record, if you could please turn to previously marked Exhibit 1005 in this proceeding.

(Previously marked Exhibit 1005 presented to the witness.)

BY MR. AHMED:

Q Let me know when you have it in front of you.

A I'm just looking -- oh, no.

So I'm looking for Exhibit -- what was the exhibit?

Q 1005.

A Okay. So let's look at 4 --

Q Before you do that, we can just establish that you recognize this exhibit, correct?
A Yeah. So this is the Ogawa reference.
Q Okay. And have you analyzed Ogawa thoroughly?
A I think so.
Q Do you think so or did you analyze it thoroughly?
A Yeah, I believe so.
Q What is Ogawa directed to?
MR. YANG: Object to form.
A So there's an aspect of it, you know, talking about how you can have split screens on a display surface and mechanisms for controlling that and describing that with a pen.
Q Could you please turn to paragraphs 17 to 19 of Ogawa on page 3.
A Okay. I think I'm looking at it.
Q You agree that these paragraphs describe Ogawa's screen-splitting operation of Figures 4A to 4C, correct?
A Just to be clear, I said yes.

Q Could you please take a look at the subsequent paragraphs of Ogawa, paragraphs 20 to 35 on pages 3 to 4. Please take your time and let me know when you're ready.

A Paragraphs 17 through 19, you said?

Q 17 to 19 of what you had just looked at. The subsequent paragraphs are paragraphs 20 to 35 on pages 3 to 4.

A Okay. So you want me to re-read them and make sure I understand them?

Q Or refresh your memory or just take a quick look and we can go through them, yeah. Let me know when you're ready.

A Okay. I think I've got it. I feel good, yeah.

Q You agree that these paragraphs describe Ogawa's screen-splitting operation with reference to the process flowchart in Figure 5 and screen images in Figures 4A to 4C, correct?

A Yeah, I think that's right.

Q If you turn to paragraph 33 on page 4 --

A Mm-hmm.

Q -- Ogawa describes here how programs being displayed on the two screens are displayed according to the splitting ratio of the screens, correct?

A Okay. So what was the question? I re-read through that, and I just wanted to verify what you said is what I should say yes to or not.

Q So do you agree that in paragraph 33 of Ogawa, Ogawa describes how programs being displayed on the two screens are displayed according to the splitting ratio of the screens, correct?

A I think that's reasonable to say that the screens are surfaces where images or text display can show up, sure, and -- perhaps can show up, and it's based on the splitting ratio.

Q And you agree that when one screen in Ogawa is extended, then the program being displayed on that screen is also extended, correct?

A Yeah. So whatever was being displayed on that screen is extended, yes.

Q Okay. And what is the basis for your understanding?

A So it seems to say in the careful -- in the case, Therefore, two different programs, such as a -- they give an example where a calendar and a schedule can be executed independently using the first and second editing areas and can be displayed independently on the two split screens --

Oh, sorry, I'm not quite sure where I go with that. I'm going to have to zoom in. Sorry. Oh, that's much better.

So it talks about, the contents of the first and second VRAMS 29B and 29C are combined in the actual VRAM 29A according to the splitting ratio, and displayed.

So the splitting ratios gets used there.

Q If the programs being displayed on Ogawa's screens 13A and 13B are displayed according to the splitting ratio, then the access bar 42 is also changed according to the splitting ratio, correct?

MR. YANG: Object to form.

A I think that's correct.

Q And I just want to make sure you

understood my question, Dr. Surati.

A That the 42 is -- what's shaded is based on the splitting ratio?

Q Just like the programs being displayed on the screen.

A Yeah. And one point of clarity that I want to make is, this reference talks about programs being shown on the screen, right. And that implicitly suggests that it's just applications on the screen.

Whereas in the patent, I don't see any reference to a desktop. But oftentimes, those things are considered different than a program or an application.

And so that level of differentiation exists between a -- what's discussed specifically in this reference, the Ogawa reference, and, you know -- if there is that difference -- what I'm trying to point out is that if one of the screens happens to have a desktop on it, that's different than an application being displayed. And so I think I just want to clarify that.

What I'm trying to say is, we don't know if a program is necessarily on the screen for a combined system because it needs to at least incorporate this notion that there's a desktop, in my opinion. That's kind of how I think about it.

Q I'm reading from your answer where you said towards the end that, quote, it needs to at least incorporate this notion that there is a desktop, in my opinion, end quote.

What are you referring to? At least incorporate this notion, are you referring to the claims of the '080 patent?

A No. I'm referring to sort of the combination argument that's being made that when you look at these two things and you say -- and you say, okay, well, here's the combined system, and I make a statement like, well, these things don't necessarily correspond in terms of an open application state, I'm trying to make the statement that the things that are being displayed on the left in the combined system don't necessarily have to be something an operating system designates as a program.

It could also be the underlying desktop system, which would not be considered an application by a person of ordinary skill in the art.

Q I just want to get some more clarity about some ambiguity in your answer.

A Okay.

Q So you say -- actually, I guess you're talking to me here. So I'm repeating your answer here, starting, quote, you say, okay, well, here's the combined system, and I make a statement like, well, these things don't necessarily correspond in terms of an open application state, end quote, and you go on.

Where do you see a combined system in the patent or the petition? I'm not clear as to what you're referring to and what you're opining on there.

A Yeah. I think I'm trying to -- so we're talking about section 26 of my -- not section 26. If we look at page 26 of my patent [sic], there was a whole slew of questions around what I say about paragraph 76, 77, 78, and 79, right. And I think

you had questions about that, and I was just trying to clarify how I look at, you know, Ogawa and Choi, that combination.

And I say something like, neither Ogawa nor Choi suggests an icon that changes in proportion to the application's position relative to -- let me just see that. Maybe I'm --

Oh, I think this is a different -- you weren't asking about that. Now I'm confused.

So I think before, we were talking about -- maybe it was -- oh, paragraph -- I'm trying to explain something about paragraph 70, and I may have gone into the wrong place, which is, The shaded portion of access bar 42 however does not indicate whether an application is open in the corresponding display condition.

Were we talking about this, or were we talking about a later thing? I think we're talking about that set of paragraphs, right?

Q I was trying to understand what you were talking about.

A Okay. I'm sorry.

Q So I was asking about, you know, paragraph 33 in Ogawa.
A Right.
Q And you agreed that as the program that is being displayed on one of the screens 13A or 13B is expanded --
A Right.
Q -- the access bar 42 is also expanded --
A Yes.
Q -- in commensurate fashion.
A Yeah. I agree with --
MR. YANG: Object to form.
A As far as what you were asking, I agree that that's what happens with that particular reference is that Ogawa has two programs being rendered in VRAM and they're getting combined based on the splitting ratio.
Q And that access bar 42, the colored or shaded portion, you agree Ogawa discloses that that indicates and that that screen is active?
MR. YANG: Object to form.
A That's correct.

Q In your declaration, in your '080 declaration, you -- in paragraph 71 --

A Mm-hmm.

Q -- you discuss a scenario where an active screen in Ogawa can display different applications at different times, correct?

A That's right.

Q Now, if we step back for a second, in your declaration, you were responding to the arguments or positions from petitioner that were put forth in the petition, which was Paper 1 in this proceeding --

A Right.

Q -- and Dr. Chatterjee's declaration, which was Exhibit 1002 in this proceeding, correct?

A That's right.

Q Okay. So going back to paragraph 71 of your declaration, you just confirmed that you discuss a scenario there where an active screen in Ogawa can display different applications at different times, correct?

A That's right. And I was -- I was --

(Cross-talk.)

A I was trying to embellish that a little bit to help you understand it, in case it was unclear, that it doesn't necessarily have to include an application. It can also over time have a desktop on it.

Q Understood.

A That was a clarifying point I wanted to make.

Q And you agree that in the '080 petition, which is Paper 1, and Dr. Chatterjee's opening declaration, which is Exhibit 1002, the scenario where different applications are a desktop are displayed at different times and an active screen in Ogawa is not relied upon in the analysis of claim 1, correct?

MR. YANG: Object to form.

A So you're saying that they're not indicating -- you're saying that particular example is not given, but the combination is used to invalidate claim 1. That's what you're saying? And you're saying that particular example is not given

by Dr. Chatterjee, but -- and that argument isn't used, I guess.

But I guess you're asking me, do I understand that he didn't rely on that particular example? Is that what you're asking?

Q Because you were responding in your declaration to both his declaration and the '080 petition --

A I see.

Q -- just to, for the sake of the record, that --

A I see.

Q -- the petition and Dr. Chatterjee's opening declaration did not rely on that example --

A I see.

Q -- in the analysis of claim 1.

A Okay. That's fine. Sure.

Q Okay. In paragraph 73 to 74 of your declaration, you discuss a scenario where the same application could be active on both of Ogawa's screens 13A and 13B, correct?

A Right.

Q My first question there is that, what do you mean that the same application could be active on both screens 13A and 13B in Ogawa?

A I think what I mean is that there are two windows for the application, and only one of them is active. Oh, sorry. Let me change that. I didn't mean it that way. I'm sorry. Hold on.

Yeah. So I guess what I would say, I think it's an example where an application has windows that are open, but -- but that all this indicator is showing is that the screen's active and can be used for your pen input.

Q Which screen is active if both applications are open, in Figure 4B, for example?

MR. YANG: Object to form.

Q Let me rephrase that question, actually.

A Okay. I could -- oh, okay.

Q Or I guess, how do you understand that question, Dr. Surati?

A Looking at the two examples on page 25 --

Q Page 25 of your declaration?

A Yeah.

Q Okay.

A Let's say that the application is open on both sides, right, or across it or whatever you want to say. This thing is going to indicate which screen is active, not an application that's open across both of them. It's just going to indicate, oh, you can do entry on the left or you can do entry on the right.

Q Right. But that example, let's take the first example that you provided on the top of page 25 of your declaration. There that access bar colored in blue is indicating that the application on the left side in green is open, correct?

MR. YANG: Object to form.

A Well, it's saying, As another example, the same application could be active on both of Ogawa's screens, right. So let's say that it's active on both the left and right side, right, or available to use and is open, right? The same application.

But the way that Ogawa works, it's only going to highlight the blue side as the active

screen. And so maybe the word "active" there is probably not -- we could say, as another example, the same application could be open on both of Ogawa's screens 13A and 13B.

Q And the blue highlighted access bar indicates that the application is open at least on that side of the screen, correct?

MR. YANG: Object to form.

(Reporter interruption.)

Q Let me repeat the question. So Dr. Surati, you can answer if you understand the question.

A Yeah.

Q Okay? The blue highlighted access bar in the figures that you reproduced on page 25 of your declaration indicate that at least that side of the application on that screen is open, correct?

MR. YANG: Object to form.

A Yeah, I would say that it indicates the screen is active, and if there happens to be an application on that side, it would indicate -- I guess I don't know that it indicates that it's open,

but it's available to use.

But if instead it were a desktop, you could still input stuff on that side. I think that's the distinction I'm trying to draw is that you could have an application that's open on both sides. All that thing is indicating is that you're allowed to input stuff onto that particular screen.

Q I understand the point you're making, Dr. Surati. But the example you gave in these figures, as you stated multiple times, is that the application is active on both sides of the screen. That is what these examples are showing, right? These examples are not showing a desktop, according to your declaration.

MR. YANG: Object to form.

Q If you go to paragraph 73 of your declaration.

A I mean, even if it's showing the same application on both screens, it could be in different portions of the application. Just saying the application is open, right. It's not saying that there could be two separate windows of that

application.

But the point there is that irregardless of what's shown, right, it doesn't mean -- like, you can't take that bit and say -- let's say that we have the same application with one window on the left and another window on the right. If you note that that screen is active, right, then because of that blue bar, then all that's indicating is, you can input stuff into that part of the application that happens to be open.

If instead it's on the right, like we discussed, and you have blue, then that's an indication to the user that they could input onto the right side. And if that application happens to be open with a different window of that application, then you could input into that as well.

But it's only an indication that it's active.

Q Because you say that the application could be active on both sides in paragraph 73, could the application be closed when the application is, quote, unquote, active?

MR. YANG: Object to form and scope.

A Yeah, I'm not sure -- so I didn't comment about that particular case in here, so I'd have to think about it. But yeah, I think I need to think about that some more.

But the example is that it's open on both screens.

Q The example is that the application is open on both screens?

A With two different windows from that application.

Q And so when the left side of the screen is indicated as active based on the access bar 42 being colored or shaded --

A Right.

Q -- that means that the application window on that side of the screen is active?

MR. YANG: Object to form.

A Yeah, I think that's fair.

Q And we have been talking about this example in paragraph 73 to 74 of your declaration where you discuss the scenario where the same

application could be active on both of Ogawa's screens 13A and 13B, correct?

A Yeah. I think we may want -- I would just say, in 73, maybe the right way to say this is, as another example, the same application could be open on both of Ogawa's screens. Instead of "active," that might be a better way to describe it, because it's clearly not confusing of what I meant versus what --

Q But in any event, you agree that in the '080 petition, which is Paper 1 in this proceeding, and Dr. Chatterjee's opening declaration, Exhibit 1002, the scenario where the same application could be active on both of Ogawa's screens is not relied upon in the analysis of claim 1, correct?

A I think that's fair.

Q I want to turn to claim 2. If you can turn to paragraph 76 of your declaration on page 26.

A Mm-hmm.

Q You agree that this portion of your declaration relates to claim 2 of the '080 patent,

correct?

A I do.

Q Claim 2 recites, The method according to claim 1, wherein the icon is changed in proportion of the relative position of the application with respect to the first and second display.

Correct?

A That's correct.

Q You agree, in paragraph 76 to 78 of your '080 declaration, you did not provide an opinion on whether Ogawa discloses the feature of claim 2 under a scenario where the term "display" encompasses logically divided displays, correct?

MR. YANG: Object to form.

Q Do you understand the question, Dr. Surati?

A There were a lot of -- let me try to restate it back to you so that I can understand what you said.

So I agree that I, and Dr. Chatterjee -- no, wait. So you're saying -- so you're saying my response -- maybe I can ask you to say it again

because I'm just trying to --

Q All right. Let's take it a step back.

A Okay.

Q You said that you reviewed the '080 petition, which is Paper 1, and Dr. Chatterjee's opening declaration, which is Exhibit 1002, correct?

A Right.

Q You understand that in the '080 petition, for example, claim 2 was addressed under two different -- two possible interpretations of "display," correct?

A Right, okay.

Q One of those interpretations was that the display encompasses logically divided displays.

Do you understand?

A Right. Okay.

Q And you recall that that interpretation was addressed in the '080 petition?

A Okay.

Q I guess your answer was "okay." You recall that the interpretation --

A Yeah, I recall that, yeah.

Q Okay. And my question is that, in your '080 declaration, you did not provide an opinion on whether Ogawa discloses the features of claim 2 under that interpretation of "display"?

A I see. Yeah. That's correct.

Q Okay. That's all I was asking for. Thank you for being patient.

A No, it's fine.

Q Okay. Could you please turn to previously marked Exhibit 1006 in this proceeding.

(Previously marked Exhibit 1006 presented to the witness.)

BY MR. AHMED:

Q Do you recognize this exhibit?

A Yeah. This is the Choi patent that's used in the petition and the declarations.

Q Yes. So this is the same Choi reference that you referenced, Exhibit 1006, in your declaration, correct?

A Right.

Q Have you thoroughly analyzed Choi?

A I believe so, yes.

Q Is there anything in Choi, any aspect of Choi that is unclear to you?
A I don't think so.
Q Okay. Could you please turn to paragraph 79 to 81 of your '080 declaration.
A Okay. Sure.
Q As you indicated earlier, you also reviewed the '080 petition in forming your responsive opinions to the combination of Ogawa and Choi that's discussed here, correct?
A That's right.
Q Okay. So the '080 petition, which is Paper 1, could you please turn to that and page 77.
A Of the patent?
Q Of Paper 1, which is the '080 petition.
A Oh, okay. I'm sorry. Okay. So you want me to go to page 77?
Q Mm-hmm.
A I'm on page 77 where there's two images of, I guess, Figure 7B. Is that where you want me to be?
Q Yes. I believe the top is Figure 7A and

the bottom is Figure 7B, right?

A Yeah.

Q Okay. And I guess just something you said a minute ago gave me some pause. I just want to make sure that in my previous questions, when I was referring to the '080 petition, you had this Paper 1 in mind and not the '080 patent, correct?

A Yeah.

Q Okay.

A I think you said both, right?

Q Yeah. But when I said '080 petition, I try to make a point of referencing Paper 1, but I just want to make sure.

A Oh, I see. That makes sense.

Q Okay. Looking at the last paragraph on page 77 of the '080 petition, you do not dispute that Choi discloses dividing a single physical display logically into two displays or using two physically distinct displays would have yielded the same results of a multi-display device as disclosed in Ogawa, correct?

A So you're saying Choi discloses -- I'm

just repeating what you said -- discloses that these two options, dividing a single physical display logically into two displays or using two physically -- would have yielded the same predictable results of a --

I don't dispute that.

Q If you can turn to the next page of the '080 petition, page 78 --

A Mm-hmm.

Q -- and 79, there's a couple of paragraphs there.

You agree that in the proposed Ogawa and Choi combination, Ogawa's process of extending an application being displayed on a first physical screen to a second physical screen would lead to the shaded or colored portion of the access bar 42 to extend into the physical -- into the second physical screen as well, correct?

MR. YANG: Object to form.

A So looking at 78, Moreover --

So you're talking about being able to extend the application to 59-2 using a logical

screen structure. Is that kind of what you're saying, across both 1 and 2?

Q So if you look at pages 78 to 79 of the petition, so going to that paragraph that's bridging pages 78 to 79. We established a few minutes ago --

A Right.

Q -- that in the Ogawa-Choi combination, instead of the two logically divided screens that Ogawa shows, you would have two physically distinct displays, correct?

A Yeah.

Q Okay. Now, but we're still using Ogawa's split screen operation --

A Right.

Q -- right?

And so you have an application window that's displayed on one side, right, in the Ogawa-Choi combination on one physically distinct display. But now when you extend that application into the second physically distinct display, the way Ogawa operates is that the access bar 42 would also extend in commensurate fashion, correct?

MR. YANG: Object to form and scope.

A Yeah, where -- I guess -- is there a particular place that I say that in my declaration?

Q I'm asking you, in that combination -- what you say -- let me pull it up here.

In paragraph 81 -- let's use the figure that you created using Choi's Figure 7, right, on page 28 of your declaration.

A Right.

Q Okay. But you understand, we are talking about the Ogawa-Choi world.

A Right.

Q Right?

A Yeah.

Q And so that teddy bear on that display 154 in Ogawa, you're extending that application, right, that image displaying application.

A Right.

Q So now your window is going to extend into the second display 151.

A I see.

Q Correct? Right?

MR. YANG: Object to form and scope.

A Yeah, I think I said -- I think I'm trying to tell you what I think the mapping means. In my opinion -- I guess what I'm trying to say is that -- I think I understand better what you're trying to get at.

So I think that the mapping should be to the two physically distinct displays between screen 1 and screen 2, and I think that the position should be -- I don't think the position gets shown. That's kind of how I think about it.

Q I'm not asking you about what you think was shown or not. I'm just asking you for how you understand that combination would work.

You agreed that in the Ogawa-Choi combination, you would have two physically distinct displays applying Ogawa's process.

A Right. And I think of Ogawa's process as having a screen on the left and a screen on the right, and that those get mapped to the physical displays.

I understand what you're saying about a

single display. But yeah, I don't know that I've opined on using a split screen where the split screen occurs across both physically distinct displays.

Q And you stated that you don't believe that the '080 petition or Dr. Chatterjee's declaration show that?

A I think it may, but I don't think I agree with that mapping.

Q Okay. Let's go to the '080 petition at page 79.

A I'm not disputing that they show it. I'm just saying --

Q Okay. Why do you disagree, is what I'm trying to understand.

A Well, I think it's a difference of could versus would. And I think you could do that, but I don't know that you would do that.

Q So let's go back to Figure 7 that you annotated on page 28 of your declaration. When you were implementing Ogawa's process --

A Mm-hmm.

Q -- here --
A Right.
Q -- you're extending -- in the example I'm giving --
A Right.
Q -- you're extending the image that's being displayed on the left screen --
A Mm-hmm.
Q -- you're dragging the pointer in Ogawa 44 so that now that screen gets extended, the image gets extended into the second display.
A Right.
Q What happens to the access bar 42, which is that shaded portion that you have on the left side?
A Yeah, I would just say --
MR. YANG: Object to form and scope.
A I don't know I opined on that. But just to be clear, I think when you do the gesture to move it, it snaps it to -- I think that it would snap it to that whole display, or to extend it, as -- to split the screen, whatever you do to split the

screens, right, is that the mapping is the split screen goes between the two.

Maybe I misunderstood what you're saying. So you're saying, could you have the left-hand thing go into the right-hand thing, meaning the 154 and 151?

Q Well, if the application that's displaying this image --

A Right.

Q -- that is what would be extended --

A I see.

Q -- into the second display.

A I see. And I don't think I opined on that here. I just simply said that the mapping would go from -- the left-hand screen would go on the left, and the right-hand screen would go on the right.

Q The mapping would go -- sorry.

A The mapping of the screen, the left-hand screen of Ogawa's system would map the left-hand screen of Ogawa to the right-hand screen -- to the left-hand screen of Choi, and the right-hand screen

of Ogawa would go to the right-hand of Choi, and that there would be no use of a relative position of the application with respect to the first and second display.

Q Could we go to the paragraph bridging pages 78 to 79 of the '080 petition.

A Yeah.

Q Okay. So do you see there --

A Just one second. I'm still trying to get --

Q Take your time.

A Okay. So I think what I'm trying to say is that I don't know that -- I mean, I would just say -- so I'm looking at it. Sorry about that.

Can you go ahead and ask your question?

Q So you did not opine on this part of the argument, correct?

A Yeah, I did not --

MR. YANG: Object to form.

A Yeah, I didn't opine on this part of the argument.

MR. AHMED: Let's take a ten-minute

break.

(Recess from 11:45 a.m. until 11:55 p.m.)

BY MR. AHMED:

Q Dr. Surati, do you recall earlier in your deposition today you mentioned speaking to Sanjiv Sirpal, correct?

A Yes.

Q When did you speak with Mr. Sirpal?

MR. YANG: Object to scope.

A I spoke to him at a trial where that was the first time I met him.

Q Do you remember when that trial took place?

MR. YANG: Object to scope and relevance.

A If you give me a second, I could tell you.

Q Take your time. Take your time.

A I'd have to look it up. Do you want me to look it up?

Q Sure.

A I think it was April of this year.

Q So you met Mr. Sirpal in April of 2025?

A Yeah.
Q Did that trial relate to Multifold?
A Not at all.
Q You said, not at all?
A Yeah, not at all.
Q Is that the only time you met with Mr. Sirpal?
MR. YANG: Object to scope and relevance.
A That's all I can remember.
Q Is there anyone from Multifold that you've met previously?
MR. YANG: Object to scope and relevance.
A I actually don't really know who's at Multifold.
MR. AHMED: Okay. I don't have any more questions.
MR. YANG: I don't have any questions. So we can consider this deposition closed.
(Transcript orders discussed.)
COURT REPORTER: Thank you. That's all I need.
(Off the record at 11:59 a.m.)

CERTIFICATE OF SHORTHAND REPORTER - NOTARY PUBLIC

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

That RAJEEV SURATI, Ph.D., the witness whose deposition is hereinbefore set forth, was duly sworn by me before the commencement of such deposition, and that such deposition was taken before me and is a true record of the testimony given by such witness.

I further certify that the adverse party, MULTIFOLD INTERNATIONAL INCORPORATED PTE. LTD, was represented by counsel at the deposition.

I further certify that the deposition of RAJEEV SURATI, Ph.D., occurred REMOTELY on WEDNESDAY, OCTOBER 22, 2025, commencing at 9:13 and concluding at 11:59.

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

IN WITNESS WHEREOF, I have hereunto set my hand this 27th day of OCTOBER, 2025.

_____

NOTARY PUBLIC IN AND FOR
THE DISTRICT OF COLUMBIA
MY COMMISSION EXPIRES JUNE 15, 2028

A

able
23:19, 43:9, 87:21
about
8:21, 8:22, 9:9, 9:12, 10:7, 14:10, 15:15, 19:4, 20:10, 25:13, 30:17, 34:21, 35:17, 35:18, 36:19, 37:1, 37:8, 37:16, 40:3, 40:6, 40:7, 40:8, 40:10, 40:12, 40:13, 45:18, 47:21, 49:6, 49:11, 49:21, 51:2, 56:11, 56:12, 56:15, 57:17, 57:20, 57:21, 58:4, 58:8, 63:13, 66:10, 67:7, 68:5, 69:5, 69:19, 69:21, 70:1, 70:9, 70:11, 70:12, 70:17, 70:18, 70:19, 70:21, 71:1, 80:3, 80:4, 80:5, 80:20, 87:21, 89:11, 90:11, 90:12, 90:22, 94:14
access
60:17, 66:17, 70:14, 71:8, 71:18, 76:11, 77:5, 77:14, 80:13, 87:16, 88:21, 92:13
according
60:21, 65:3, 65:10, 66:12, 66:16, 66:18, 78:13, 82:3
accurate
17:15
across
76:3, 76:6, 88:2, 91:3
action
98:2, 98:4
active
58:22, 59:1, 59:2, 59:7, 59:19, 60:7, 60:10, 60:13, 61:4, 61:7, 61:9, 61:22, 62:3, 71:20, 72:4, 72:19, 73:14, 74:20, 75:2, 75:6, 75:11, 75:13, 76:5, 76:16, 76:18, 76:22, 77:1, 77:20, 78:11, 79:7, 79:18, 79:20, 79:22, 80:13, 80:17, 81:1, 81:7, 81:14
actual
66:12
actually
14:11, 14:12, 36:14, 48:21, 69:7, 75:16, 96:13
add
15:12
address
22:22
addressed
23:1, 83:9, 83:18
addressing
22:21
adverse
97:14
again
7:22, 9:11, 32:14, 34:19, 44:20, 49:19, 52:19, 54:11, 82:22
ago
86:4, 88:5
agree
7:2, 7:17, 24:14, 25:2, 25:7, 25:17, 26:12, 26:16, 27:6, 27:16, 28:4, 28:16, 28:22, 32:19, 33:3, 33:4, 33:18, 34:10, 35:5, 36:8, 39:3, 41:19, 44:7, 44:22, 45:13, 46:7, 46:16, 47:12, 50:9, 52:2, 52:6, 54:5, 58:17, 63:19, 64:16, 65:8, 65:16, 71:11, 71:13, 71:19, 73:10, 81:10, 81:21, 82:9, 82:20, 87:12, 91:8
agreed
7:16, 8:2, 8:3, 71:4, 90:15
agreeing
30:14
ah
42:7, 57:19, 58:13
ahead
30:3, 94:15
ahmed
3:3, 5:3, 6:6, 21:5, 28:2, 36:13, 53:12, 53:15, 53:17, 62:15, 84:13, 94:22, 95:3, 96:15
alert
57:8
all
16:17, 16:22, 17:14, 20:1, 21:6, 30:3, 47:22, 52:2, 57:13, 60:12, 60:16, 75:10, 78:6, 79:8, 83:2, 84:6, 96:3, 96:4, 96:5, 96:9, 96:20
allowed
78:7
alluded
32:9
alone
10:16
also
14:20, 19:7, 19:11, 23:14, 30:21, 30:22, 32:10, 46:17, 47:3, 60:11, 65:18, 66:18, 69:1, 71:8, 73:5, 85:7, 88:21
alternatively
51:12
ambiguity
69:5
analysis
73:15, 74:16, 81:15
analyze
63:7
analyzed
63:4, 84:21
angeles
3:17
annotated
12:9, 91:20
annotations
12:6

another
14:6, 14:20, 24:4, 54:20, 59:10, 76:15, 77:2, 79:6, 81:5
answer
6:21, 7:1, 8:6, 10:6, 15:11, 19:9, 20:2, 23:4, 32:10, 38:4, 38:7, 48:9, 59:16, 68:6, 69:5, 69:8, 77:11, 83:20
answering
55:9
answers
7:13, 7:20
any
7:10, 7:12, 7:15, 8:9, 8:15, 10:18, 10:21, 11:4, 12:6, 12:9, 16:1, 16:15, 18:9, 19:15, 22:2, 22:5, 38:10, 43:9, 57:3, 67:11, 81:10, 85:1, 96:15, 96:17, 98:2, 98:3
anyone
9:15, 96:10
anything
43:11, 44:1, 57:12, 85:1
apologize
31:15, 39:8, 42:5, 51:14
appeal
1:2, 12:22
appear
56:14
appears
29:4, 33:9
application's
70:6
applications
10:21, 37:8, 51:18, 52:4, 52:5, 52:8, 52:9, 54:6, 58:18, 67:9, 72:5, 72:20, 73:13, 75:14
applied
45:10, 45:11
applying
90:17
approximately
10:8
april
95:21, 95:22
areas
66:5
argument
68:14, 74:1, 94:17, 94:21
arguments
19:20, 72:10
around
69:21
art
17:20, 69:3
asking
6:20, 22:20, 25:13, 25:14, 39:21, 47:21, 50:14, 57:7, 57:20, 58:3, 70:9, 71:1, 71:13, 74:3, 74:5, 84:6, 89:4, 90:12, 90:13
aspect
22:2, 22:5, 63:12, 85:1
assume
7:6, 7:11, 17:2
attention
56:18
attorney
98:3
available
76:19, 78:1
avenue
3:15
aware
8:17

B

back
22:9, 24:1, 29:12, 32:8, 32:14, 37:5, 38:12, 72:8, 72:17, 82:18, 83:2, 91:19
background
17:12
bar
60:17, 66:17, 70:14, 71:8, 71:18, 76:11, 77:5, 77:14, 79:8, 80:13, 87:16, 88:21, 92:13
based
37:21, 65:15, 67:2, 71:16, 80:13
basic
6:19
basis
18:19, 20:14, 65:21
bear
15:13, 89:15
because
10:8, 15:14, 26:19, 54:11, 59:6, 59:9, 59:18, 60:12, 60:14, 61:10, 61:15, 62:3, 68:3, 74:6, 79:7, 79:19, 81:8, 83:1
been
6:3, 6:14, 12:1, 14:2, 19:19, 38:3, 58:7, 80:20
beeps
56:21
before
1:2, 2:3, 6:14, 6:18, 8:7, 8:9, 12:22, 13:21, 21:6, 53:18, 53:22, 56:20, 58:15, 63:1, 70:10, 97:9, 97:11
begin
6:18, 8:10, 9:1
beginning
2:3
behalf
3:2, 3:12, 4:2
being
35:14, 35:15, 42:16, 43:11, 50:14, 56:15, 58:18, 59:11, 62:5, 65:2, 65:9, 65:17, 65:19, 66:15, 67:4, 67:8, 67:21, 68:14, 68:20, 71:5, 71:15, 80:14, 84:7, 87:14, 87:21, 92:7
believe
9:20, 11:17, 13:6, 14:19, 17:21, 21:7, 23:3, 32:2, 32:9, 63:9, 84:22, 85:22, 91:5
benefit
7:22
better
66:9, 81:7, 90:5
between
30:11, 30:18, 30:20, 30:21,

31:1, 34:3, 52:8, 60:5, 60:8, 67:16, 90:8, 93:2
bit
9:4, 73:3, 79:4
blood
98:2
blue
76:12, 76:22, 77:5, 77:14, 79:8, 79:12
board
1:2, 12:22
both
50:4, 52:15, 74:7, 74:20, 75:3, 75:13, 76:3, 76:6, 76:16, 76:18, 77:3, 78:5, 78:11, 78:19, 79:20, 80:6, 80:9, 81:1, 81:6, 81:14, 86:10, 88:2, 91:3
bothered
57:15
bottom
86:1
break
8:7, 21:6, 53:4, 53:8, 53:13, 53:15, 53:18, 53:22, 95:1
breaks
8:4
bridging
88:4, 94:5
bring
10:18

C

ca
3:17
calendar
66:3
can't
20:12, 20:17, 59:3, 59:5, 59:17, 79:4
cannot
7:21, 8:15
capital
6:12
careful
66:1
carefully
29:19
carmichael
4:4
case
1:13, 13:2, 14:6, 14:8, 33:9, 66:2, 73:3, 80:3
cases
50:4
causes
38:1
cell
11:3
center
4:5
certainly
19:18, 20:3
certificate
97:1
certify
97:5, 97:14, 97:18, 98:1
chance
52:22
change
45:8, 75:6
changed
66:18, 82:4
changes
70:5
changing
28:12, 28:17, 31:19, 32:15, 32:20, 33:14
chatterjee
18:14, 19:1, 74:1, 82:20
chatterjee's
72:14, 73:11, 74:13, 81:12, 83:5, 91:6
choi
70:2, 70:5, 84:15, 84:17, 84:21, 85:1, 85:2, 85:10, 86:17, 86:22, 87:13, 93:22, 94:1
choi's
89:7
chose
10:15
claim
23:9, 23:11, 23:14, 24:9, 24:16, 24:20, 25:2, 25:7, 25:14, 26:6, 26:13, 27:11, 27:17, 28:5, 28:11, 28:17, 29:5, 29:8, 31:18, 31:19, 32:2, 32:8, 32:11, 32:14, 32:20, 33:10, 33:11, 33:19, 34:5, 34:11, 34:22, 36:3, 36:6, 37:12, 41:15, 42:7, 42:8, 43:3, 44:8, 45:1, 45:9, 45:13, 45:14, 45:18, 45:19, 46:5, 46:8, 46:13, 46:17, 46:22, 47:3, 47:10, 47:12, 47:13, 48:12, 48:14, 49:13, 50:6, 73:15, 73:21, 74:16, 81:16, 81:18, 81:22, 82:3, 82:4, 82:11, 83:9, 84:3
claims
22:14, 22:15, 22:21, 36:6, 43:1, 44:2, 56:12, 68:12
clarify
20:4, 29:17, 40:17, 44:13, 56:16, 67:22, 70:2
clarifying
73:8
clarity
38:7, 67:6, 69:4
clause
34:22
clean
12:11
clear
10:6, 14:16, 14:19, 15:15, 16:4, 18:22, 19:7, 20:18, 31:2, 31:12, 38:11, 42:2, 63:22, 69:15, 92:19
clearly
28:1, 59:8, 59:15, 81:8
close
57:4
closed
55:4, 55:13, 55:14, 56:4, 56:7, 56:13, 56:15, 56:17, 79:21, 96:18
clr
1:27, 2:4
collectively
22:15

colored
60:17, 71:18, 76:12, 80:14, 87:16
columbia
97:4, 98:14
column
23:8, 24:8, 24:19, 26:5, 27:1, 27:10, 28:11, 29:21, 29:22, 31:5, 31:7, 31:19, 32:15, 33:11, 34:5, 38:8, 38:12, 38:13, 39:13, 40:22, 41:15, 42:3, 42:4, 42:5, 42:8, 51:6, 51:9, 51:11, 51:14, 51:16, 52:3, 52:17, 52:19, 52:20, 53:19, 53:21, 54:1
com
3:9, 3:10, 3:19, 4:9
combination
68:14, 70:3, 73:20, 85:9, 87:13, 88:7, 88:18, 89:4, 90:14, 90:16
combined
66:11, 68:3, 68:16, 68:20, 69:10, 69:14, 71:16
commencement
97:9
commencing
97:20
commensurate
26:19, 71:10, 88:22
comment
80:2
commission
98:15
communicating
7:13
communication
11:4
completely
11:11, 16:11
comprise
34:7, 35:3, 47:4, 50:7
comprises
48:7
comprising
24:11, 33:14, 38:19
computer
10:22, 56:21
computing
24:10
concentrating
57:6
concluding
97:21
condition
24:21, 25:9, 25:16, 25:17, 26:2, 26:4, 26:9, 26:18, 28:13, 28:18, 29:1, 29:7, 30:5, 30:9, 31:20, 32:16, 32:21, 33:5, 33:14, 33:22, 39:12, 39:15, 40:8, 40:12, 40:14, 40:16, 49:3, 49:7, 49:16, 49:20, 49:22, 70:16
conditions
32:3
conducting
7:8
confirm
10:10, 15:2, 17:14, 22:12
confirmed
72:18
confused
56:11, 70:9
confusing
81:8
connection
9:16, 15:5
connectivity
7:10, 7:11, 7:15
consider
96:18
considered
18:4, 18:6, 20:10, 30:15, 30:18, 67:13, 69:2
consistent
26:22
construction
44:8, 45:1, 45:10, 45:14
cont'd
4:1
contact
14:2
contents
66:10
context
16:12, 48:12
controlling
24:10, 63:14
conversation
7:18
correctly
60:6
correspond
30:5, 30:8, 32:2, 39:14, 68:18, 69:11
corresponding
26:9, 26:18, 33:13, 33:21, 49:2, 49:15, 70:15
corresponds
25:10, 25:17, 29:1, 33:5, 35:9, 35:12, 35:15
could
12:19, 17:4, 20:3, 20:14, 20:20, 23:7, 29:7, 29:17, 30:15, 30:18, 30:21, 32:10, 35:21, 36:4, 37:3, 38:8, 41:3, 42:20, 47:15, 49:7, 50:3, 51:6, 52:7, 53:4, 58:6, 58:22, 59:1, 59:9, 59:10, 59:12, 60:11, 60:15, 60:20, 61:4, 61:6, 61:8, 62:11, 63:16, 64:1, 69:1, 74:20, 75:2, 75:17, 76:16, 77:2, 77:3, 78:3, 78:5, 78:19, 78:22, 79:13, 79:16, 79:20, 81:1, 81:5, 81:14, 84:9, 85:4, 85:13, 91:16, 91:17, 93:4, 94:5, 95:15
couldn't
19:17, 28:1
counsel
6:21, 6:22, 9:6, 9:9, 9:11, 9:13, 11:18, 97:16
couple
42:19, 87:10
court
7:19, 7:21, 7:22, 96:20

created
89:7
cross-talk
27:21, 31:13, 39:7, 40:1, 49:5, 53:10, 55:16, 60:3, 73:1
crr
1:27, 2:4, 97:3

D

d2
38:3
daniel
3:4
danielzeilberger-@paulhastings
3:10
day
98:9
dc
3:7
decision
11:19, 20:14
declaration
9:21, 10:3, 12:20, 13:8, 13:17, 13:18, 17:2, 17:11, 18:1, 18:11, 18:14, 18:20, 18:22, 19:6, 19:12, 22:10, 22:13, 44:5, 45:7, 45:20, 56:19, 57:16, 58:12, 72:1, 72:2, 72:9, 72:14, 72:18, 73:12, 74:7, 74:14, 74:19, 75:21, 76:11, 77:16, 78:14, 78:17, 80:21, 81:12, 81:19, 81:22, 82:10, 83:6, 84:2, 84:19, 85:5, 89:3, 89:8, 91:7, 91:20
declarations
84:16
definitely
40:9
dependent
43:1
deposed
6:14
deposition
1:17, 2:1, 6:20, 7:9, 8:5, 8:19, 9:2, 9:5, 9:13, 9:16, 11:8, 14:20, 14:21, 15:4, 95:5, 96:18, 97:8, 97:10, 97:16, 97:18
depositions
12:2
describe
35:22, 38:19, 54:6, 63:19, 64:16, 81:7
described
41:20
describes
27:7, 37:22, 39:18, 42:15, 43:10, 65:1, 65:9
describing
52:4, 63:15
description
35:10, 35:12, 35:14, 35:22, 36:7, 37:8, 43:10
descriptions
43:8
designates
68:22
desktop
11:1, 37:17, 37:19, 38:1, 54:15, 59:1, 59:8, 59:10, 59:12, 60:11, 60:15, 61:18, 67:12, 67:20, 68:4, 68:9, 69:1, 73:6, 73:13, 78:2, 78:13
device
11:4, 24:10, 51:12, 55:14, 56:15, 86:20
diagram
61:13
difference
52:7, 60:8, 67:18, 91:16
different
11:11, 16:12, 66:2, 67:13, 67:20, 70:8, 72:5, 72:6, 72:20, 72:21, 73:13, 73:14, 78:20, 79:15, 80:10, 83:10
differentiation
67:15
directed
63:10
directly
19:22, 40:21
disagree
91:14
disagreeing
30:14
disclosed
86:20
discloses
71:19, 82:11, 84:3, 86:17, 86:22, 87:1
discuss
16:7, 72:4, 72:19, 74:19, 80:22
discussed
46:7, 46:16, 67:16, 79:12, 85:10, 96:19
discussion
37:7, 45:19
discussions
16:15, 16:18
display
24:21, 25:9, 25:16, 25:17, 26:1, 26:4, 26:9, 26:18, 28:13, 28:18, 29:1, 29:7, 31:20, 32:3, 32:16, 32:21, 33:5, 33:13, 33:22, 37:17, 40:8, 49:3, 49:7, 49:16, 49:20, 49:22, 52:13, 52:16, 54:10, 54:15, 54:16, 54:19, 54:21, 55:2, 55:4, 63:14, 65:13, 70:16, 72:5, 72:20, 82:6, 82:12, 83:11, 83:14, 84:4, 86:18, 87:2, 88:19, 88:20, 89:15, 89:20, 91:1, 92:11, 92:21, 93:12, 94:4
displayed
27:12, 27:18, 28:7, 34:2, 62:5, 65:2, 65:9, 65:10, 65:17, 65:19, 66:5, 66:13, 66:15, 66:16, 67:4, 67:21, 68:20, 71:5, 73:14, 87:14, 88:17, 92:7
displaying
24:20, 25:8,

25:15, 26:6, 26:13, 46:8, 47:13, 89:17, 93:8
displays 24:11, 82:13, 83:14, 86:18, 86:19, 87:3, 88:10, 90:8, 90:17, 90:21, 91:4
dispute 45:14, 50:17, 86:16, 87:6
disputing 91:12
distinct 86:19, 88:9, 88:18, 88:20, 90:8, 90:16, 91:3
distinction 78:4
distinguish 60:5
distracted 11:8
district 97:4, 98:14
divided 82:13, 83:14, 88:8
dividing 86:17, 87:2
docket 11:17
document 12:19, 13:5
documents 10:18, 11:14, 11:16, 12:5, 12:9, 18:15, 18:18, 19:1, 19:2, 19:3, 19:8, 19:16, 20:11, 20:19, 38:10
doing 12:1
done 31:17, 37:22, 38:16
door 57:4
double 30:7, 37:10, 39:13
double-check 10:9, 23:3, 43:18
down 41:7
downloaded 12:8
downstairs 57:1
dr 6:7, 13:20, 17:1, 18:14, 19:1, 21:6, 22:9, 22:19, 28:4, 34:17, 39:1, 43:16, 45:18, 51:6, 53:18, 55:7, 67:1, 72:14, 73:11, 74:1, 74:13, 75:19, 77:11, 78:9, 81:12, 82:16, 82:20, 83:5, 91:6, 95:4
dragging 92:9
draw 78:4
drive 4:5
duly 6:3, 97:8
during 6:20, 8:4, 11:8

E

e 30:8
each 8:1, 30:6
earlier 46:8, 46:17, 49:7, 85:7, 95:4
easier 45:3, 58:5
eastern 1:22
editing 66:5
effect 20:17
elmilki 4:12
else 9:15, 29:7
embellish 73:2
employed 98:3
encompasses 82:12, 83:14
end 13:6, 41:5, 41:8, 68:7, 68:9, 69:12
endpoint 37:9
entry 76:7
eric 21:16, 21:17
esquire 3:3, 3:4, 3:13, 4:3
establish 63:1
established 88:5
even 58:6, 78:18
event 81:10
examination 5:2, 6:5
examined 6:3
example 33:8, 34:12, 35:16, 35:20, 36:19, 50:1, 62:6, 66:3, 73:19, 73:22, 74:5, 74:14, 75:9, 75:14, 76:9, 76:10, 76:15, 77:2, 78:9, 80:6, 80:8, 80:21, 81:5, 83:9, 92:3
examples 75:20, 78:12, 78:13
executed 66:4
exhibit 5:8, 5:16, 5:17, 5:18, 5:19, 12:14, 12:16, 12:21, 20:5, 20:6, 20:7, 20:8, 20:21, 21:1, 21:8, 21:14, 22:10, 44:5, 62:12, 62:13, 62:19, 62:20, 63:2, 72:15, 73:12, 81:13, 83:6, 84:10, 84:11, 84:14, 84:18
exhibits 5:15, 11:20, 18:17, 19:6, 19:8, 19:10
exists 67:16
expanded 34:13, 41:10, 41:22, 42:11, 71:6, 71:8
expandible 41:21, 42:11
expanding 34:13, 41:11, 42:1, 42:12

expansion
39:19, 40:16, 40:18, 42:16, 43:12
expires
98:15
explain
31:9, 48:18, 52:7, 59:14, 70:12
explicitly
39:2, 44:1
extend
87:17, 87:22, 88:19, 88:22, 89:19, 92:21
extended
50:1, 62:7, 65:17, 65:18, 65:20, 92:10, 92:11, 93:10
extending
87:13, 89:16, 92:3, 92:6

F

fact
37:21
fair
24:18, 27:9, 28:10, 50:16, 80:19, 81:17
familiar
13:20
far
17:16, 71:13
fashion
71:10, 88:22
feature
82:11
features
84:3
feel
64:14
feissner
1:27, 2:4, 97:3
few
53:6, 88:5
figure
23:22, 25:2, 25:18, 26:12, 26:16, 27:16, 28:5, 28:16, 28:22, 29:13, 29:14, 29:15, 29:18, 30:20, 30:21, 32:10, 32:19, 33:4, 33:18, 35:7, 35:8, 36:20, 38:2, 38:4, 50:2, 54:9, 54:14, 54:18, 55:10, 55:11, 55:12, 55:19, 56:9, 58:6, 62:8, 64:18, 75:14, 85:20, 85:22, 86:1, 89:6, 89:7, 91:19
figures
23:15, 24:14, 34:10, 35:4, 35:5, 36:16, 49:21, 52:21, 54:3, 54:5, 58:7, 60:18, 62:6, 63:20, 64:19, 77:15, 78:10
files
11:2
financially
98:5
finder
11:1
finding
11:1
fine
74:17, 84:8
finish
53:7
finished
17:8, 39:9
first
6:3, 6:11, 24:20, 24:21, 25:8, 25:9, 25:15, 25:16, 25:17, 25:22, 26:1, 26:7, 26:8, 26:9, 26:14, 26:17, 26:18, 29:14, 30:6, 30:11, 31:11, 34:6, 35:2, 40:7, 46:9, 47:4, 47:14, 47:15, 47:22, 48:6, 48:7, 48:16, 49:2, 49:3, 49:7, 50:6, 50:9, 51:2, 52:15, 52:16, 54:15, 54:19, 55:1, 55:2, 55:22, 66:5, 66:11, 75:1, 76:10, 82:6, 87:14, 94:3, 95:11
flip
24:1
flowchart
64:18
focus
46:4
follows
6:4
form
12:10, 22:16, 24:17, 25:5, 25:12, 25:19, 26:21, 27:20, 28:9, 28:21, 29:3, 29:9, 32:13, 33:1, 33:7, 34:15, 36:12, 38:21, 42:18, 43:14, 47:17, 49:9, 50:12, 51:5, 55:5, 56:5, 56:10, 60:4, 61:1, 63:11, 66:20, 71:12, 71:21, 73:17, 75:15, 76:14, 77:8, 77:18, 78:15, 80:1, 80:18, 82:14, 87:19, 89:1, 90:1, 92:17, 94:19
formed
18:19
forming
18:10, 85:8
forth
24:1, 24:16, 72:11, 97:8
forward
13:12
foundation
15:10, 15:21, 16:10, 16:21
freedman
21:17
front
17:2, 62:16
full
6:9
further
97:14, 97:18, 98:1

G

gave
78:9, 86:4
general
43:4
generally
27:7, 55:20
geoffrey
3:13
gesture
27:2, 27:7, 27:8, 27:19, 28:7, 37:22, 92:19
gestures
7:21

getting
71:16
give
21:10, 66:3,
95:15
given
7:8, 73:20,
73:22, 97:12
giving
92:4
gmoss@orrick
3:19
go
29:11, 30:3,
31:5, 37:3,
37:4, 37:6,
53:11, 58:9,
64:12, 66:7,
69:13, 78:16,
85:17, 91:10,
91:19, 93:5,
93:15, 93:16,
93:18, 94:1,
94:5, 94:15
goes
37:15, 93:2
going
30:22, 32:8,
32:14, 37:5,
38:12, 66:8,
72:17, 76:4,
76:6, 76:22,
88:4, 89:19
gone
33:2, 70:13
good
6:7, 6:8,
13:15, 64:14
google
1:6, 3:2, 5:16,
5:17, 5:18,
12:22
grand
3:15
green
76:13
ground
6:19
guess
14:9, 26:3,
29:13, 30:12,
30:15, 30:20,
36:2, 36:3,
41:13, 48:11,
55:11, 60:9,
69:7, 74:2,
74:3, 75:8,
75:18, 77:22,
83:20, 85:20,
86:3, 89:2, 90:4
guessing
10:4

H

hand
98:9
handheld
24:10
hands
61:11
happen
61:2
happened
14:7
happens
67:20, 71:14,
77:20, 79:10,
79:14, 92:13
hastings
3:5
head
19:18, 61:12
hear
23:6, 28:1
heard
56:20, 57:5
held
2:1
help
73:3
here
18:6, 19:11,
37:3, 41:19,
65:1, 69:8,
69:9, 80:3,
85:10, 89:5,
92:1, 93:14
here's
68:16, 69:9
hereby
97:5
hereinbefore
97:8
hereunto
98:8
herrington
3:14
higher
48:11
highlight
76:22
highlighted
77:5, 77:14
highlighting
12:6
history
19:19
hold
23:17, 23:18,
24:5, 37:4, 75:7
home
10:11, 10:15
hope
57:15
hour
9:14
hours
8:21, 8:22,
10:2, 10:7
however
17:9, 70:14

I

icon
21:16, 26:6,
26:7, 26:13,
26:16, 26:19,
30:4, 30:6,
30:7, 30:8,
30:10, 32:5,
33:12, 33:15,
33:19, 33:20,
34:11, 35:5,
35:7, 37:22,
38:19, 39:13,
39:14, 39:18,
40:12, 41:6,
41:8, 41:20,
42:9, 42:16,
43:11, 46:8,
46:18, 47:13,
48:15, 49:1,
49:12, 49:14,
49:19, 50:4,
51:3, 59:20,
60:16, 61:3,
70:5, 82:4
icons
36:15
idea
14:13, 24:5,
30:19
ideal
23:21
identify
12:19
illustrate
24:15, 32:11
image
89:17, 92:6,
92:10, 93:8
images
64:18, 65:13,
85:19
implementing
91:21
implicitly
67:9
implied
40:20
important
7:19
inaccurate
17:18
include
19:18, 20:3,
41:5, 41:8,
50:8, 73:4
includes
28:18, 32:21
including
19:8, 24:11,

37:17, 42:10
incorporate
68:4, 68:8, 68:11
incorporated
1:9, 97:15
incorrect
14:11
independent
44:2
independently
66:4, 66:6
indicate
33:12, 33:20, 35:8, 36:16, 37:13, 46:18, 49:12, 49:14, 59:6, 59:17, 60:20, 62:1, 70:14, 76:4, 76:6, 77:16, 77:21
indicated
80:13, 85:7
indicates
26:8, 26:17, 34:11, 35:6, 41:6, 41:9, 42:9, 42:20, 46:9, 47:14, 48:15, 49:1, 49:20, 61:3, 71:20, 77:6, 77:19, 77:22
indicating
37:1, 37:12, 39:18, 40:12, 43:11, 58:21, 59:7, 59:18, 73:19, 76:12, 78:6, 79:8
indication
25:20, 37:14, 60:13, 62:2, 79:13, 79:17
indicative
41:20, 42:16, 49:22, 50:5,
59:11
indicator
75:11
individually
22:22
informed
19:11
initially
9:3
input
27:2, 27:7, 27:19, 28:7, 75:12, 78:3, 78:7, 79:9, 79:13, 79:16
instance
48:6
instead
78:2, 79:11, 81:6, 88:8
institution
11:19
instructs
6:22
interested
98:5
interface
21:15
international
1:9, 13:1, 97:15
interpretation
83:17, 83:21, 84:4
interpretations
83:10, 83:13
interpreted
36:5
interruption
21:3, 44:12, 77:9
intuiting
37:20
invalidate
73:21
invented
21:17
inventor
14:7, 14:13, 14:14, 14:17, 16:5, 16:8
inventors
14:3, 15:4, 15:17, 16:2
involved
14:6, 16:19
ip
4:4
ipr
1:13, 12:2, 13:2, 15:5
irregardless
79:2
irrelevant
45:15
issues
7:10, 7:11

J

job
1:25
june
98:15

K

kind
30:12, 30:13, 36:5, 38:4, 59:13, 68:5, 88:1, 90:11
knew
15:3
know
7:5, 7:9, 7:14, 8:5, 11:6, 12:1, 14:12, 14:16, 16:4, 17:6, 17:16, 18:12, 18:16, 20:13, 23:14, 25:14, 29:4, 32:2, 34:2, 35:16, 35:19, 36:19, 38:7, 39:2, 40:20, 46:1, 51:21, 52:22, 57:2, 61:15, 61:21, 62:16, 63:12, 64:4, 64:13, 67:18, 68:1, 70:2, 71:1, 77:22, 91:1, 91:18, 92:18, 94:13, 96:13
knowledge
20:13

L

last
6:12, 27:1, 34:22, 50:6, 86:15
later
40:8, 70:18
latter
48:2
laundry
57:2
lead
87:15
least
37:13, 68:3, 68:8, 68:10, 77:6, 77:16
left
68:20, 76:7, 76:13, 76:18, 79:6, 80:12, 90:19, 92:7, 92:14, 93:16
left-hand
61:12, 93:4, 93:15, 93:19, 93:20, 93:22
let's
7:22, 17:22, 53:15, 62:10, 62:22, 76:2, 76:9, 76:17, 79:4, 83:2, 89:6, 91:10, 91:19, 94:22
level
48:11, 67:15

lhassan
4:12
limitation
47:9, 48:3, 48:6, 49:4
limitations
47:22
limited
50:10, 50:13, 50:19, 50:22
line
23:8, 27:1, 28:11, 29:21, 31:6, 31:19, 32:15, 38:5, 38:9, 38:12, 39:12, 51:11
lines
24:8, 24:19, 26:5, 27:10, 31:7, 33:11, 34:5, 37:7, 38:13, 40:22, 41:15, 42:3, 42:4, 42:8, 51:7, 51:9, 51:16, 52:3, 52:17, 52:20, 53:19, 54:1
lisa
1:27, 2:4, 97:3
list
17:11, 18:5, 19:5
listed
18:10, 19:2, 19:11, 20:9, 20:11
lit
61:13
literally
61:17
little
9:4, 31:11, 56:11, 73:2
llc
1:6, 3:2, 3:12, 12:22
llp
3:5, 3:14
location
10:11
logical
87:22
logically
82:13, 83:14, 86:18, 87:3, 88:8
look
10:5, 18:13, 18:22, 19:14, 19:20, 29:19, 43:2, 58:6, 62:9, 62:22, 64:1, 64:12, 68:15, 69:20, 70:2, 88:3, 95:18, 95:19
looked
9:3, 14:14, 18:15, 20:16, 64:6
looking
18:12, 20:6, 23:9, 23:20, 23:22, 25:15, 38:6, 51:10, 53:19, 53:22, 54:3, 54:12, 62:18, 62:19, 63:18, 75:20, 86:15, 87:20, 94:14
looks
10:11
los
3:17
lot
11:19, 82:17

M

machine
57:2
made
68:14
make
8:1, 11:7, 15:15, 19:21, 22:6, 56:22, 57:14, 58:1, 58:3, 61:20, 64:10, 66:22, 67:7, 68:16, 68:19, 69:10, 73:9, 86:5, 86:12, 86:13
makes
36:10, 36:15, 58:5, 86:14
making
78:8
manner
27:11, 27:17, 28:6
many
6:16, 8:21, 10:2
map
93:20
mapped
90:20
mapping
36:6, 37:13, 90:3, 90:7, 91:9, 93:1, 93:14, 93:18, 93:19
marked
5:9, 12:16, 20:21, 21:1, 21:8, 62:11, 62:13, 84:10, 84:11
marriage
98:3
material
9:3
materials
18:4, 18:6, 18:9, 20:10
matter
13:22, 14:22, 98:6
maybe
9:7, 23:15, 30:13, 30:17, 30:18, 36:3, 36:4, 59:14, 70:7, 70:11, 77:1, 81:4, 82:22, 93:3
mean
10:7, 11:18, 15:12, 17:8, 20:4, 29:6, 29:17, 29:21, 35:11, 40:2, 40:9, 56:6, 56:16, 57:5, 57:22, 61:13, 61:17, 75:2, 75:4, 75:7, 78:18, 79:3, 94:13
meaning
45:9, 93:5
means
57:21, 80:16, 90:3
meant
44:18, 51:14, 81:8
mechanisms
63:14
meet
9:15, 14:7, 15:18, 16:1, 48:3, 48:5
meets
47:22
memory
64:11
mentioned
20:2, 95:5
messages
57:11
met
9:6, 9:9, 14:14, 15:16, 15:17, 15:22, 16:11, 95:11, 95:22, 96:6, 96:11

method
24:10, 24:15, 82:3
might
34:3, 48:1, 57:1, 81:7
mind
43:19, 53:7, 53:14, 62:9, 86:7
minute
86:4
minutes
88:5
misunderstood
93:3
mitch
4:3, 36:14
mitch@carmichael-ip
4:9
mm-hmm
12:12, 23:12, 64:22, 72:3, 81:20, 85:18, 87:9, 91:22, 92:8
mobility
1:6, 3:12
mode
34:13, 34:14, 41:10, 41:11
modifying
27:11, 27:17, 28:6
moment
18:2, 20:18, 22:8, 43:18
monday
9:4, 9:6, 9:8
more
9:5, 9:10, 19:22, 20:1, 24:3, 24:11, 42:21, 43:4, 55:20, 69:4, 80:5, 96:15
moreover
87:20
morning
6:7, 6:8, 9:11
morph
30:20
morphed
33:20
morphing
21:16, 29:16, 29:18, 30:18, 30:22, 33:11, 33:14, 34:2, 34:4, 46:17, 49:12, 49:14
morphs
49:19
moss
3:13
motorola
1:6, 3:12, 13:1
move
23:20, 92:19
moving
13:12, 24:19, 26:5, 33:10
much
9:12, 10:15, 66:9
multi-display
86:20
multi-screen
52:5, 52:8, 52:14, 54:6, 54:9, 54:14, 54:19, 54:20, 55:2, 55:20
multifold
1:9, 5:19, 9:18, 13:1, 45:10, 96:2, 96:10, 96:14, 97:15
multimedia
14:8, 16:12
multiple
12:1, 50:14, 50:22, 78:10
must
6:21

N

name
6:10, 6:11, 6:12
necessarily
60:13, 60:21, 62:2, 68:2, 68:17, 68:21, 69:11, 73:4
necessary
7:6
need
8:5, 53:8, 53:11, 80:4, 96:21
needs
68:3, 68:7
neither
70:4
next
33:10, 87:7
night
9:10
none
5:9
notary
2:4, 97:1, 97:3, 98:13
note
79:6
nothing
17:17, 57:5
notice
2:3
notification
57:9
noting
44:2
notion
68:4, 68:8, 68:11
notions
36:20
number
12:2, 13:2, 18:14, 30:4, 38:9
numbers
38:6
nw
3:6

O

oath
8:12
object
6:21, 15:9, 15:20, 16:9, 22:16, 24:17, 25:5, 25:12, 25:19, 26:21, 27:20, 28:9, 28:21, 29:3, 29:9, 32:13, 33:1, 33:7, 34:15, 36:12, 38:21, 42:18, 43:14, 47:17, 49:9, 50:12, 51:5, 55:5, 56:5, 56:10, 60:4, 61:1, 63:11, 66:20, 71:12, 71:21, 73:17, 75:15, 76:14, 77:8, 77:18, 78:15, 80:1, 80:18, 82:14, 87:19, 89:1, 90:1, 92:17, 94:19, 95:9, 95:14, 96:8, 96:12
objection
16:20
obvious
7:20
obviously
20:7
occupy
52:12, 52:15
occurred
97:19
occurs
91:3

october
1:21, 2:2, 97:20, 98:9
offered
44:8, 44:22, 45:4
offering
44:10, 44:14
office
1:1, 10:14
oftentimes
67:12
ogawa
22:14, 45:16, 58:20, 59:21, 60:16, 60:18, 62:4, 62:8, 63:3, 63:4, 63:10, 63:17, 64:2, 65:1, 65:9, 65:17, 67:17, 70:2, 70:4, 71:2, 71:15, 71:19, 72:5, 72:20, 73:15, 75:3, 76:21, 82:11, 84:3, 85:9, 86:21, 87:12, 88:9, 88:21, 89:16, 92:9, 93:21, 94:1
ogawa's
63:20, 64:17, 66:16, 74:20, 76:17, 77:4, 81:1, 81:6, 81:14, 87:13, 88:12, 90:17, 90:18, 91:21, 93:20
ogawa-choi
88:7, 88:18, 89:11, 90:15
oh
14:9, 20:5, 20:12, 24:4, 31:4, 36:2, 51:10, 61:6, 61:11, 61:12, 62:18, 66:7, 66:9, 70:8, 70:11, 75:6, 75:17, 76:7, 85:16, 86:14
one
8:5, 14:13, 15:3, 15:17, 22:17, 23:20, 24:3, 24:11, 29:10, 29:11, 42:9, 42:19, 52:11, 52:12, 52:14, 54:18, 55:21, 56:2, 62:5, 65:16, 67:6, 67:19, 71:5, 75:5, 79:5, 83:13, 88:17, 88:18, 94:9
only
35:16, 36:6, 36:19, 36:20, 42:15, 43:8, 52:11, 52:12, 75:5, 76:21, 79:17, 96:6
open
21:10, 25:21, 34:7, 35:3, 35:6, 35:8, 35:14, 35:15, 35:18, 35:22, 36:8, 36:10, 36:16, 36:21, 37:14, 37:21, 38:19, 39:3, 39:16, 44:9, 45:1, 45:9, 45:14, 47:4, 47:9, 47:15, 48:1, 48:4, 48:7, 50:7, 50:8, 50:10, 50:15, 51:1, 51:13, 55:3, 56:3, 56:6, 56:9, 56:13, 56:15, 56:16, 57:17, 57:22, 58:18, 59:6, 59:9, 59:12, 59:17, 60:2, 60:6, 60:11, 60:14, 60:20, 61:4, 61:9, 61:14, 61:16, 62:1, 62:2, 68:18, 69:12, 70:15, 75:10, 75:14, 76:2, 76:5, 76:13, 76:19, 77:3, 77:6, 77:17, 77:22, 78:5, 78:21, 79:10, 79:15, 80:6, 80:9, 81:6
opening
73:11, 74:14, 81:12, 83:6
operates
88:21
operating
68:22
operation
63:20, 64:17, 88:13
opine
94:16, 94:20
opined
91:2, 92:18, 93:13
opining
69:16
opinion
29:6, 44:8, 44:11, 44:15, 45:1, 45:4, 58:18, 60:22, 68:5, 68:9, 82:10, 84:2, 90:4
opinions
18:10, 18:19, 19:11, 22:13, 45:7, 45:15, 85:9
opposed
61:17
options
87:2
oral
1:17, 2:1
orders
96:19
ordinary
17:19, 45:8, 69:3
originally
12:8
orrick
3:14
other
8:1, 10:22, 11:4, 16:2, 16:4, 18:9, 18:18, 19:10, 19:15, 38:10, 43:10, 43:11, 47:15, 48:4, 56:3
otherwise
7:6, 7:10, 98:5
out
17:17, 67:19
outcome
98:6
over
6:17, 8:1, 31:16, 33:2, 38:13, 61:12, 73:5
overtake
38:1
owner
1:10, 4:2, 13:2

P

page
5:2, 5:8, 5:15,

12:1, 13:7, 17:22, 18:2, 18:3, 18:4, 45:21, 46:2, 63:17, 64:21, 69:20, 75:20, 75:21, 76:11, 77:15, 81:19, 85:13, 85:17, 85:19, 86:16, 87:7, 87:8, 89:8, 91:11, 91:20
pages
1:26, 17:5, 64:3, 64:8, 88:3, 88:5, 94:6
paper
72:11, 73:11, 81:11, 83:5, 85:13, 85:15, 86:7, 86:12
paragraph
18:6, 29:21, 44:4, 45:6, 45:20, 46:4, 46:14, 47:1, 53:3, 56:19, 57:17, 58:10, 58:14, 64:21, 65:8, 69:22, 70:11, 70:12, 71:2, 72:2, 72:17, 74:18, 78:16, 79:20, 80:21, 81:19, 82:9, 85:4, 86:15, 88:4, 89:6, 94:5
paragraphs
17:4, 17:10, 63:16, 63:19, 64:2, 64:5, 64:7, 64:16, 70:19, 87:10
part
33:10, 37:19, 61:3, 61:16, 79:9, 94:16, 94:20
particular
14:6, 19:14, 33:8, 35:19, 37:2, 40:14, 42:22, 43:5, 43:22, 59:11, 71:14, 73:19, 73:22, 74:4, 78:7, 80:3, 89:3
particularly
46:4
parties
98:2, 98:4
parts
46:5
party
97:14
patent
1:1, 1:2, 1:10, 1:14, 4:2, 12:3, 12:22, 13:2, 13:3, 13:13, 13:14, 13:17, 13:21, 14:3, 14:10, 14:12, 14:17, 15:8, 15:14, 15:18, 16:2, 16:4, 16:8, 16:16, 16:19, 17:20, 20:16, 21:16, 21:18, 21:21, 22:2, 22:6, 23:8, 23:11, 23:15, 24:9, 24:15, 27:6, 31:5, 31:8, 35:17, 35:22, 38:6, 38:10, 38:18, 39:17, 40:4, 41:1, 41:18, 41:20, 42:15, 43:6, 43:10, 51:7, 51:17, 52:3, 52:18, 53:20, 54:1, 56:12, 58:7, 67:11, 68:12, 69:15, 69:20, 81:22, 84:15, 85:14, 86:7
patents
14:9, 19:18, 19:22, 20:3
patient
84:7
paul
3:5
pause
86:4
pen
63:15, 75:12
pending
8:6
perhaps
65:14
person
17:19, 69:3
perspective
22:7
petition
11:19, 18:13, 18:16, 19:1, 19:5, 20:16, 69:15, 72:11, 73:10, 74:8, 74:13, 81:11, 83:5, 83:8, 83:18, 84:16, 85:8, 85:12, 85:15, 86:6, 86:11, 86:16, 87:8, 88:4, 91:6, 91:10, 94:6
petitioner
3:2, 3:12, 72:10
petitioners
1:7
ph
1:18, 2:1, 5:2, 6:2, 12:21, 97:7, 97:19
phone
11:3, 55:13
physical
86:17, 87:2, 87:14, 87:15, 87:17, 90:20
physically
86:19, 87:4, 88:9, 88:18, 88:20, 90:8, 90:16, 91:3
place
36:4, 43:22, 70:13, 89:3, 95:13
plain
45:8
planning
10:14
please
6:9, 7:5, 7:9, 12:14, 12:19, 17:4, 18:1, 20:3, 20:20, 23:7, 38:8, 41:3, 43:20, 44:4, 45:19, 46:1, 51:16, 52:7, 62:11, 63:16, 64:1, 64:3, 84:9, 85:4, 85:13
pllc
4:4
point
35:21, 36:4, 43:9, 67:6, 67:19, 73:8, 78:8, 79:2, 86:12
pointer
92:9
pointing
43:1, 55:11
points
37:10
popped
17:17

portion
38:18, 46:3, 52:2, 53:7, 58:21, 59:3, 60:17, 70:14, 71:19, 81:21, 87:16, 92:14
portions
17:10, 78:20
position
51:13, 70:6, 82:5, 90:9, 90:10, 94:2
positions
72:10
possibility
11:9
possible
23:13, 48:8, 55:1, 55:13, 55:19, 56:2, 83:10
potentially
30:22
preamble
24:9, 24:16
predictable
87:5
preparation
9:13
prepare
8:19
preparing
9:1, 10:2, 18:20
presented
12:16, 21:1, 62:13, 84:11
pretty
19:21
previous
32:9, 86:5
previously
12:16, 20:20, 21:1, 21:8, 21:19, 62:11, 62:13, 84:10, 84:11, 96:11
prime
30:7, 30:10, 33:20, 34:3, 35:7, 36:15, 37:10, 39:13
prior
14:5
probably
18:15, 35:16, 44:17, 60:10, 61:8, 62:1, 77:2
problem
38:17
proceeding
9:19, 9:22, 11:14, 11:15, 12:6, 12:15, 13:11, 16:19, 20:21, 21:8, 45:5, 62:12, 72:12, 72:15, 81:11, 84:10
proceedings
14:5
process
64:18, 87:13, 90:17, 90:18, 91:21
program
62:5, 65:17, 67:13, 68:2, 68:22, 71:4
programs
65:1, 65:9, 66:2, 66:15, 67:4, 67:7, 71:15
proportion
70:5, 82:4
proposed
45:10, 87:12
provide
38:8, 58:17, 82:10, 84:2
provided
22:13, 76:10
pte
1:9, 97:15
public
2:4, 97:1, 97:4, 98:13
pull
89:5
pulling
15:14
pursuant
2:3
put
17:9, 61:11, 72:10

Q

quadeer
3:3
quadeerahmed@paulhastings
3:9
qualifications
17:12
question
6:22, 7:4, 7:7, 8:6, 8:7, 15:10, 15:21, 19:10, 22:18, 27:22, 28:3, 34:16, 34:18, 35:4, 36:13, 38:22, 39:21, 43:15, 44:19, 47:18, 48:21, 50:19, 55:6, 55:17, 60:1, 65:5, 67:1, 75:1, 75:16, 75:19, 77:10, 77:12, 82:15, 84:1, 94:15
questions
6:20, 7:13, 8:9, 53:6, 69:21, 70:1, 86:5, 96:16, 96:17
quick
64:12
quite
21:9, 66:7
quote
68:7, 68:9, 69:9, 69:12, 79:22

R

r-a-j-e-e-v
6:12
rain
10:15
rajeev
1:18, 2:1, 5:2, 6:2, 6:11, 12:21, 97:7, 97:19
ratio
65:3, 65:11, 65:15, 66:13, 66:17, 66:18, 67:3, 71:17
ratios
66:14
rdr
1:27, 2:4, 97:3
re-read
64:9, 65:6
read
19:2, 20:19, 21:21, 29:20, 30:16, 30:17, 31:5, 31:10, 41:3, 43:6, 51:21
reading
17:8, 18:16, 31:3, 31:4, 31:10, 68:6
ready
17:6, 51:22, 64:4, 64:13
realize
36:5, 39:8
really
53:8, 96:13
reason
8:15, 20:15
reasonable
65:12

reasonably
43:7
reasons
7:20
recall
9:21, 11:11, 19:15, 20:17, 83:17, 83:21, 83:22, 95:4
received
11:17
receiving
27:2, 27:7, 27:13, 27:19, 28:7, 57:11
recess
21:4, 53:16, 95:2
recites
24:9, 24:20, 26:6, 27:2, 27:11, 28:12, 31:19, 32:15, 33:11, 34:6, 47:3, 47:13, 48:14, 82:3
recognize
21:14, 63:2, 84:14
record
6:10, 10:7, 14:15, 14:19, 15:15, 38:8, 41:4, 62:10, 74:10, 96:22, 97:11
reduced
38:3
refer
13:13, 13:16, 51:16
reference
58:20, 63:3, 64:17, 67:7, 67:12, 67:17, 71:15, 84:17
referenced
5:14, 19:3, 21:19, 46:13, 84:18
referencing
38:9, 86:12
referred
14:20, 38:3
referring
30:12, 32:1, 38:5, 38:12, 42:2, 46:12, 46:21, 47:8, 59:20, 68:10, 68:11, 68:13, 69:16, 86:6
refresh
64:11
regard
56:14
regarding
45:14, 45:16
regardless
45:8
relate
16:15, 16:18, 96:2
related
11:14, 11:18, 11:20, 12:3, 14:5, 14:9, 15:8, 32:5, 98:1
relates
81:22
relation
15:4
relative
70:6, 82:5, 94:2
relevance
95:14, 96:8, 96:12
relied
19:16, 73:15, 81:15
rely
19:21, 74:4, 74:14
remember
95:12, 96:9
remembering
9:8
remind
6:19
remotely
2:2, 7:9, 97:19
rendered
71:16
repeat
28:2, 34:19, 77:10
repeating
69:8, 87:1
rephrase
7:5, 34:20, 36:13, 47:19, 55:17, 75:16
reported
1:27
reporter
7:19, 7:21, 7:22, 44:12, 77:9, 96:20, 97:1
represent
30:10
represented
97:16
reproduced
77:15
requesting
8:7
requirement
29:5
requires
46:8, 46:17
respect
17:20, 22:14, 49:21, 82:6, 94:3
responding
72:9, 74:6
response
27:12, 27:18, 28:7, 82:22
responsive
85:9
rest
20:14
restate
82:18
restrict
44:3
restroom
53:11
results
86:20, 87:5
retained
9:18, 13:21
review
18:9, 53:1
reviewed
18:19, 19:7, 83:4, 85:8
right
17:7, 18:5, 20:9, 21:6, 23:2, 23:10, 23:20, 25:1, 30:3, 32:3, 32:12, 35:1, 47:7, 48:13, 48:17, 49:6, 51:4, 52:2, 53:21, 53:22, 54:13, 55:21, 57:18, 58:11, 58:15, 59:14, 59:15, 59:22, 60:11, 60:16, 60:19, 64:20, 67:8, 69:22, 70:19, 71:3, 71:7, 72:7, 72:13, 72:16, 72:22, 74:22, 76:3, 76:8, 76:9, 76:17, 76:18, 76:19, 78:12, 78:21, 79:3, 79:6, 79:7, 79:11, 79:14, 80:15, 81:4, 83:2, 83:7, 83:12, 83:16, 84:20, 85:11, 86:1,

86:10, 88:6, 88:14, 88:15, 88:17, 89:7, 89:9, 89:12, 89:13, 89:17, 89:18, 89:22, 90:18, 90:20, 92:2, 92:5, 92:12, 93:1, 93:9, 93:17
right-hand
93:5, 93:16, 93:21, 93:22, 94:1
ringer
11:10
room
10:16, 11:12
roughly
9:14
rules
6:19
running
10:22

S

s
3:1
s-u-r-a-t-i
6:13
said
15:17, 32:10, 43:22, 44:13, 44:14, 44:16, 44:17, 45:17, 53:21, 55:9, 59:17, 61:12, 63:22, 64:5, 65:7, 68:7, 82:19, 83:4, 86:4, 86:10, 86:11, 87:1, 90:2, 93:14, 96:4
sake
16:3, 74:10
same
12:1, 13:8, 30:14, 41:14, 55:3, 74:19, 75:2, 76:16, 76:19, 77:3, 78:18, 79:5, 80:22, 81:5, 81:13, 84:17, 86:20, 87:4
sanjiv
14:10, 15:22, 95:5
saturday
9:7
say
8:22, 9:14, 14:4, 15:3, 18:21, 19:14, 20:13, 28:1, 30:21, 35:11, 37:7, 37:15, 39:20, 42:5, 42:7, 43:17, 50:18, 50:21, 58:20, 58:22, 59:3, 59:5, 59:14, 60:12, 61:2, 61:6, 61:8, 61:19, 61:20, 65:7, 65:12, 66:1, 68:1, 68:15, 69:7, 69:9, 69:21, 70:4, 75:8, 76:2, 76:4, 76:17, 77:2, 77:19, 79:4, 79:19, 81:4, 82:22, 89:3, 89:5, 90:4, 92:16, 94:12, 94:14
saying
20:6, 35:18, 40:15, 43:7, 55:10, 58:19, 73:18, 73:19, 73:21, 73:22, 76:15, 78:20, 78:21, 82:21, 86:22, 88:2, 90:22, 91:13, 93:3, 93:4
says
30:4, 36:21, 37:16, 39:2, 39:12, 42:9, 44:1, 49:1, 49:14, 50:6, 51:11
scenario
72:4, 72:19, 73:12, 74:19, 80:22, 81:13, 82:12
schedule
66:4
scope
15:9, 15:20, 16:9, 16:20, 29:9, 55:5, 56:5, 56:10, 80:1, 89:1, 90:1, 92:17, 95:9, 95:14, 96:8, 96:12
screen
12:18, 20:6, 21:16, 24:20, 25:8, 25:15, 26:7, 26:14, 34:12, 37:17, 38:2, 39:19, 40:3, 40:7, 40:19, 41:5, 41:7, 41:8, 41:9, 51:18, 52:4, 52:8, 52:10, 52:11, 52:13, 52:15, 54:15, 54:18, 54:20, 55:1, 55:3, 55:21, 55:22, 56:2, 56:3, 58:18, 58:21, 59:3, 59:4, 59:7, 59:18, 60:7, 60:10, 60:12, 60:14, 61:3, 61:5, 61:7, 61:13, 61:14, 61:16, 61:22, 62:3, 62:6, 62:7, 64:18, 65:16, 65:18, 65:20, 67:5, 67:8, 67:10, 68:2, 71:20, 72:5, 72:19, 73:14, 75:13, 76:5, 77:1, 77:7, 77:17, 77:20, 78:7, 78:11, 79:7, 80:12, 80:17, 87:15, 87:18, 88:1, 88:13, 90:9, 90:19, 91:2, 91:3, 92:7, 92:10, 92:22, 93:2, 93:15, 93:16, 93:19, 93:20, 93:21, 93:22
screen's
75:11
screen-splitting
63:20, 64:17
screens
28:19, 32:22, 62:5, 63:13, 65:2, 65:3, 65:10, 65:11, 65:13, 66:6, 66:16, 67:19, 71:5, 74:21, 75:3, 76:17, 77:4, 78:19, 80:7, 80:9, 81:2, 81:6, 81:15, 88:8, 93:1
screwed
14:15

scroll
17:5
second
15:14, 21:10, 22:17, 23:18, 28:12, 28:18, 29:1, 29:7, 29:10, 29:11, 29:14, 29:15, 30:8, 30:9, 30:11, 30:15, 31:11, 31:20, 32:16, 32:21, 33:5, 33:13, 33:21, 33:22, 34:6, 35:2, 37:16, 38:2, 39:12, 39:14, 39:15, 40:11, 40:12, 42:22, 43:4, 46:13, 46:18, 47:4, 47:13, 48:7, 48:14, 49:13, 49:15, 49:16, 49:20, 49:22, 50:7, 50:9, 51:2, 52:15, 52:16, 54:16, 54:21, 55:3, 55:4, 55:22, 56:1, 66:5, 66:11, 72:8, 82:6, 87:15, 87:17, 88:20, 89:20, 92:11, 93:12, 94:3, 94:9, 95:15
secondary
20:1
section
69:19
see
21:13, 24:3, 26:3, 29:12, 32:17, 34:4, 37:16, 41:2, 41:15, 43:21, 43:22, 46:3, 61:2, 61:10, 67:11, 69:14, 70:7, 74:9, 74:12, 74:15, 84:5, 86:14, 89:21, 93:11, 93:13, 94:8
seem
43:21, 44:2
seems
27:15, 37:13, 42:7, 43:4, 66:1
sense
22:6, 43:7, 86:14
sensor
27:3, 27:8
separate
78:22
set
11:13, 14:5, 14:8, 24:15, 70:19, 97:8, 98:8
seven
8:22
shaded
60:17, 67:2, 70:13, 71:19, 80:14, 87:16, 92:14
shape
12:9, 33:15
shorthand
97:1
should
38:15, 65:7, 90:7, 90:10
show
35:5, 54:6, 65:14, 91:7, 91:12
showing
35:20, 36:20, 75:11, 78:12, 78:13, 78:18
shown
26:13, 27:17, 28:5, 28:17, 32:20, 33:19, 34:11, 67:8, 79:3, 90:10, 90:13
shows
25:2, 54:9, 54:14, 54:18, 88:9
sic
69:20
side
23:15, 23:16, 61:12, 76:13, 76:18, 76:22, 77:7, 77:16, 77:21, 78:3, 79:14, 80:12, 80:17, 88:17, 92:15
sides
76:3, 78:6, 78:11, 79:20
signature-p1kal
98:11
signed
13:6, 13:9
similarly
7:8, 7:14, 42:9, 49:11
simply
18:16, 19:20, 59:5, 93:14
single
51:18, 52:4, 52:8, 52:10, 52:12, 52:13, 54:10, 86:17, 87:2, 91:1
sir
46:11
sirpal
14:10, 15:22, 95:6, 95:8, 95:22, 96:7
sixth
46:22, 49:13
size
25:10, 25:13, 25:18, 26:19, 26:20, 29:1, 33:5, 33:15, 49:8, 50:1, 50:5
skill
17:20, 69:3
skimmed
17:17
skimming
17:9
slew
69:21
slight
19:13
slow
41:7
snap
92:20
snaps
92:20
some
6:19, 20:15, 30:22, 32:11, 38:1, 41:13, 52:16, 56:20, 69:4, 69:5, 80:5, 86:4
something
10:4, 19:19, 20:15, 37:1, 37:15, 40:13, 49:20, 57:2, 57:5, 58:3, 68:21, 70:4, 70:12, 86:3
sorry
9:6, 9:7, 9:9, 14:10, 14:15, 14:22, 20:5, 25:6, 30:1, 31:14, 38:2, 38:15, 41:7, 43:3, 44:18, 51:14, 52:13, 52:16, 53:11, 53:20, 55:14, 59:15, 61:9, 66:7, 66:8,

70:22, 75:6, 75:7, 85:16, 93:18, 94:14
sort
29:15, 37:12, 68:13
sounds
13:15
south
3:15
spanning
21:16
speak
7:20, 8:1, 95:8
speaking
95:5
specifically
67:16
spell
6:9
spelled
6:11
spend
8:21, 9:12, 10:2
spent
9:5, 9:10
split
63:13, 66:6, 88:13, 91:2, 92:22, 93:1
splitting
65:3, 65:11, 65:15, 66:12, 66:14, 66:17, 66:18, 67:3, 71:17
spoke
9:10, 95:10
spoken
14:17
start
23:10, 31:10
starting
45:20, 69:9
state
6:9, 25:22, 26:1, 26:8, 26:18, 29:15, 30:7, 30:8, 30:10, 30:11, 30:13, 30:15, 31:11, 33:13, 33:21, 34:1, 34:7, 34:12, 35:2, 35:3, 35:6, 35:8, 35:14, 36:1, 36:9, 36:11, 36:17, 36:21, 37:2, 37:9, 38:20, 39:3, 39:11, 39:14, 39:18, 40:10, 40:11, 40:13, 40:16, 40:18, 41:6, 41:9, 42:11, 42:12, 42:16, 43:2, 43:3, 43:4, 43:12, 44:9, 45:2, 45:6, 45:9, 45:15, 46:9, 46:19, 47:5, 47:9, 47:14, 47:15, 47:16, 48:1, 48:5, 48:8, 48:16, 48:18, 49:2, 49:13, 49:15, 50:7, 50:9, 50:10, 50:11, 50:16, 51:1, 51:2, 51:3, 56:13, 59:7, 60:21, 68:18, 69:12
stated
40:21, 78:10, 91:5
statement
61:20, 68:17, 68:19, 69:10
states
1:1, 26:3, 30:5, 32:1, 32:5, 34:6, 35:18, 42:10, 44:3, 47:4, 48:7, 50:7, 50:14, 50:22
stay
10:15
step
25:3, 25:7, 25:14, 26:13, 27:13, 27:17, 28:5, 28:17, 29:8, 29:14, 31:18, 32:8, 32:15, 32:20, 33:19, 34:11, 46:12, 46:13, 46:22, 47:9, 47:13, 48:15, 49:13, 50:6, 72:8, 83:2
steps
32:11
still
17:2, 56:11, 78:3, 88:12, 94:9
stopped
39:10
straightforward
19:21
street
3:6
structure
88:1
stuff
78:3, 78:7, 79:9
submitted
11:15, 13:5, 13:9
submitting
9:21
subsequent
64:2, 64:7
suggests
37:18, 67:9, 70:5
suite
3:16, 4:6
sunday
9:4, 9:7
surati
1:18, 2:1, 5:2, 6:2, 6:7, 6:12, 12:21, 13:20, 17:1, 21:6, 22:9, 22:19, 28:4, 34:17, 39:1, 43:16, 45:18, 51:6, 53:18, 55:7, 67:1, 75:19, 77:11, 78:9, 82:16, 95:4, 97:7, 97:19
sure
6:11, 8:1, 11:7, 12:18, 13:19, 15:15, 20:22, 22:11, 28:15, 34:18, 34:20, 41:5, 42:14, 44:6, 45:22, 54:4, 56:22, 57:4, 57:14, 58:1, 58:3, 61:6, 64:10, 65:14, 66:7, 66:22, 74:17, 80:2, 85:6, 86:5, 86:13, 95:20
surface
63:14
surfaces
65:13
sutcliffe
3:14
sworn
6:3, 97:9
system
47:21, 68:3, 68:16, 68:21, 68:22, 69:2, 69:10, 69:14,

93:20
systems
50:13, 50:18, 50:22

T

t
4:11
take
29:20, 43:20, 48:11, 53:4, 53:8, 53:12, 53:15, 64:1, 64:3, 64:11, 76:9, 79:4, 83:2, 94:11, 94:22, 95:17
taken
97:10
taking
8:4
talk
30:1, 35:17, 37:8, 45:18, 51:22, 55:8, 56:12, 56:14, 57:17
talked
49:6, 49:21
talking
20:10, 31:15, 34:21, 40:3, 49:11, 51:2, 57:6, 58:8, 63:13, 69:8, 69:19, 70:10, 70:17, 70:18, 70:21, 80:20, 87:21, 89:10
talks
40:6, 40:8, 40:10, 40:12, 66:10, 67:7
technical
21:3, 22:7
technician
4:12
technologies
14:8, 16:13
teddy
89:15
teleconference
1:20
tell
19:17, 20:12, 61:11, 90:3, 95:15
ten-minute
94:22
term
36:3, 44:9, 45:1, 45:9, 45:14, 82:12
terms
44:3, 68:18, 69:12
testified
6:4
testify
8:16
testimony
97:11
text
65:13
th
98:9
thank
6:14, 8:18, 12:13, 36:14, 84:7, 96:20
therefore
7:19, 66:2
thing
19:14, 24:3, 42:22, 70:18, 76:4, 78:6, 93:4, 93:5
things
11:20, 16:13, 18:16, 18:17, 35:14, 42:19, 43:5, 67:13, 68:15, 68:17, 68:19, 69:11
think
11:12, 14:4, 15:19, 17:13, 19:13, 21:9, 22:1, 22:4, 22:20, 23:5, 23:18, 24:18, 25:4, 25:20, 26:15, 26:22, 27:9, 28:10, 29:10, 30:17, 33:2, 35:9, 36:18, 36:20, 37:5, 37:6, 37:11, 38:5, 40:2, 40:9, 40:20, 42:19, 43:17, 44:10, 44:15, 45:12, 48:8, 50:13, 50:16, 50:17, 50:21, 51:11, 52:10, 55:19, 57:5, 58:2, 58:19, 61:19, 63:6, 63:7, 63:18, 64:14, 64:20, 65:12, 66:21, 67:21, 68:5, 69:18, 69:22, 70:8, 70:10, 70:18, 75:4, 75:9, 78:3, 80:4, 80:19, 81:3, 81:17, 85:3, 86:10, 90:2, 90:3, 90:5, 90:7, 90:9, 90:10, 90:11, 90:12, 90:18, 91:8, 91:16, 91:17, 92:19, 92:20, 93:13, 94:12, 95:21
thinking
29:13
third
48:6
thoroughly
21:22, 63:5, 63:8, 84:21
thought
15:1, 44:14
three
42:10, 46:4
through
11:18, 11:19, 17:5, 17:17, 31:6, 37:6, 37:7, 38:13, 42:3, 53:2, 54:3, 55:8, 64:5, 64:12, 65:6
time
1:22, 9:6, 9:10, 9:12, 11:5, 30:14, 43:20, 52:13, 64:3, 73:5, 94:11, 95:11, 95:17, 96:6
times
6:16, 72:6, 72:21, 73:14, 78:10
today
8:13, 8:16, 8:19, 10:19, 95:5
took
21:7, 95:12
top
19:17, 76:10, 85:22
towards
68:7
trademark
1:1
transcribe
7:21
transcribed
7:18
transcript
96:19
treated
22:14
trial
1:2, 12:22,

95:10, 95:12, 96:2
trouble
7:12, 7:15, 9:8
true
39:5, 39:17, 43:7, 97:11
truthfully
8:16
try
24:3, 34:20, 37:3, 55:17, 82:17, 86:12
trying
31:9, 43:17, 47:20, 48:9, 56:16, 58:20, 58:22, 59:5, 59:13, 59:16, 60:5, 60:7, 60:9, 60:12, 61:19, 67:19, 68:1, 68:19, 69:18, 70:1, 70:11, 70:20, 73:2, 78:4, 83:1, 90:3, 90:4, 90:6, 91:15, 94:9, 94:12
tuesday
9:5, 9:10
turn
12:14, 17:4, 17:22, 20:20, 22:9, 23:7, 30:7, 39:13, 40:22, 41:14, 44:4, 45:19, 51:6, 52:17, 54:11, 56:18, 57:16, 62:11, 63:16, 64:21, 81:18, 81:19, 84:9, 85:4, 85:13, 87:7
turned
11:10
turning
21:7, 27:10
tvs
16:13
two
30:19, 60:8, 65:2, 65:10, 66:2, 66:6, 68:15, 71:15, 75:4, 75:20, 78:22, 80:10, 83:9, 83:10, 85:19, 86:18, 87:2, 87:3, 88:8, 88:9, 90:8, 90:16, 93:2
tysons
4:7

U

unclear
7:4, 19:4, 22:3, 73:4, 85:2
under
8:12, 82:11, 83:9, 84:4
underlying
69:1
underneath
59:8
understand
7:6, 8:12, 16:6, 19:9, 22:18, 34:16, 34:18, 34:21, 35:19, 38:22, 43:15, 47:18, 47:20, 48:9, 55:6, 55:9, 56:8, 59:16, 60:6, 60:7, 64:10, 70:20, 73:3, 74:4, 75:18, 77:11, 78:8, 82:15, 82:18, 83:8, 83:15, 89:10, 90:5, 90:14, 90:22, 91:15
understanding
7:12, 57:21, 58:2, 62:4, 62:7, 65:22
understood
35:13, 55:8, 67:1, 73:7
unexpanded
34:13, 41:10
united
1:1
unless
6:22
unquote
79:22
until
21:4, 53:16, 95:2
upstairs
57:1
use
39:11, 76:19, 78:1, 89:6, 94:2
user
21:15, 34:12, 35:6, 41:6, 41:9, 79:13
uses
42:20, 43:2, 43:3
using
44:11, 44:15, 66:4, 86:18, 87:3, 87:22, 88:12, 89:7, 91:2
uspto
12:21

V

va
4:7
verify
65:6
versus
13:1, 81:9, 91:17
via
1:20, 2:2
video
1:20
vram
66:12, 71:16
vrams
66:11
vs
1:8

W

wait
82:21
want
6:18, 10:10, 11:7, 15:15, 17:9, 19:4, 19:7, 22:12, 43:18, 44:13, 47:19, 53:12, 56:18, 56:21, 58:9, 64:9, 66:22, 67:7, 67:22, 69:4, 76:3, 81:3, 81:18, 85:16, 85:20, 86:4, 86:13, 95:18
wanted
15:2, 20:18, 57:14, 58:1, 58:3, 65:6, 73:8
washington
3:7
way
19:13, 23:17, 23:21, 30:17, 30:19, 34:2, 52:16, 59:14, 59:15, 75:7, 76:21, 81:4, 81:7, 88:20, 98:5
ways
41:13
we're
11:22, 23:21,

34:21, 49:11, 69:18, 70:18, 88:12
wednesday 1:21, 2:2, 97:20
weren't 39:9, 43:9, 58:3, 70:9
westwood 4:5
whatever 24:2, 55:14, 65:19, 76:3, 92:22
whereas 67:11
wherein 26:7, 30:9, 34:6, 35:2, 39:11, 39:14, 40:11, 82:4
whereof 98:8
whether 19:10, 22:21, 35:4, 41:20, 41:21, 41:22, 45:8, 70:15, 82:11, 84:3
whole 23:1, 69:21, 92:21
window 24:4, 25:10, 25:18, 29:2, 33:6, 42:17, 43:12, 49:8, 50:5, 55:22, 56:1, 79:5, 79:6, 79:15, 80:16, 88:16, 89:19
windows 75:5, 75:10, 78:22, 80:10
withdraw 48:21, 50:19
within 36:18
witness 12:17, 21:2, 25:6, 53:14, 62:14, 84:12, 97:7, 97:12, 98:8
word 39:3, 39:11, 39:16, 42:20, 43:2, 43:3, 56:13, 77:1
words 48:4
work 90:14
works 24:2, 76:21
world 89:11
wouldn't 48:3, 48:5, 61:15
wrong 22:21, 70:13

Y

yang 4:3, 15:9, 15:20, 16:9, 16:20, 22:16, 24:17, 25:5, 25:12, 25:19, 26:21, 27:20, 27:22, 28:9, 28:21, 29:3, 29:9, 32:13, 33:1, 33:7, 34:15, 36:12, 38:21, 42:18, 43:14, 47:17, 49:9, 50:12, 51:5, 55:5, 56:5, 56:10, 60:4, 61:1, 63:11, 66:20, 71:12, 71:21, 73:17, 75:15, 76:14, 77:8, 77:18, 78:15, 80:1, 80:18, 82:14, 87:19, 89:1, 90:1, 92:17, 94:19, 95:9, 95:14, 96:8, 96:12, 96:17
yeah 10:8, 11:16, 12:4, 12:20, 15:3, 15:7, 15:11, 15:22, 16:22, 17:3, 17:7, 17:16, 18:5, 19:9, 21:9, 23:7, 23:9, 23:12, 25:21, 29:4, 30:1, 31:4, 31:9, 31:22, 32:4, 32:6, 33:2, 33:17, 34:1, 38:11, 41:13, 41:17, 43:17, 44:17, 47:2, 49:4, 49:18, 50:3, 50:16, 51:19, 53:9, 53:14, 54:5, 54:12, 54:17, 56:6, 57:5, 58:9, 59:22, 62:10, 63:3, 63:9, 64:12, 64:15, 64:20, 65:19, 67:6, 69:18, 71:11, 75:8, 75:22, 77:13, 77:19, 80:2, 80:4, 80:19, 81:3, 83:22, 84:5, 84:15, 86:2, 86:8, 86:11, 88:11, 89:2, 89:14, 90:2, 91:1, 92:16, 94:7, 94:18, 94:20, 96:1, 96:5
year 95:21
yep 24:6
yesterday 14:14, 15:5
yielded 86:19, 87:4

Z

zeilberger 3:4
zoom 2:2, 10:22, 66:8

.

.1905 3:8
.2373 3:18
.9248 4:8

0

00050 14:22
00059 15:6
00060 1:13, 12:2, 13:2
080 13:13, 13:17, 13:21, 14:3, 16:4, 16:16, 17:1, 17:11, 17:20, 20:16, 21:18, 21:21, 22:2, 22:5, 22:10, 23:8, 23:11, 23:15, 24:9, 24:15,

27:6, 31:8, 35:21, 38:6, 38:10, 38:18, 39:17, 41:1, 41:18, 41:19, 42:15, 43:10, 44:5, 45:7, 51:7, 51:17, 52:3, 52:18, 53:19, 54:1, 56:19, 57:16, 58:7, 68:12, 72:1, 73:10, 74:7, 81:11, 81:22, 82:10, 83:4, 83:8, 83:18, 84:2, 85:5, 85:8, 85:12, 85:15, 86:6, 86:7, 86:11, 86:16, 87:8, 91:6, 91:10, 94:6

1

10
53:5, 53:8, 53:16
1001
5:16, 11:18, 20:8, 20:21, 21:1, 21:8
1002
72:15, 73:12, 81:13, 83:6
1005
5:17, 20:6, 62:12, 62:13, 62:21
1006
5:18, 20:7, 84:10, 84:11, 84:18
1007
20:7
102
54:10, 54:15, 54:20, 55:2
104
37:17, 54:16, 54:21, 55:4
11
17:4, 17:11, 51:6, 51:9, 51:11, 52:17, 52:20, 53:21, 54:1, 95:2, 96:22, 97:21
12
5:19, 22:14, 22:15, 22:22
13
1:22, 2:3, 29:21, 29:22, 31:5, 31:7, 38:12, 38:13, 39:13, 40:22, 41:16, 42:3, 42:5, 62:6, 66:16, 71:5, 74:21, 75:3, 77:4, 81:2, 97:20
135
15:18, 16:2, 16:8, 16:18
138
37:17, 37:18, 37:19, 54:16
14
23:8, 24:8, 24:19, 26:5, 27:1, 37:7, 38:13
15
10:4, 10:7, 27:10, 28:11, 31:19, 32:15, 33:11, 34:5, 98:15
151
89:20, 93:6
152
54:10, 54:15, 54:19, 54:21, 55:2, 55:4, 56:8, 56:14
154
89:16, 93:5
156
26:14, 26:17, 26:20, 27:18, 28:1, 28:6, 28:17, 28:19, 32:20, 32:22, 33:21
16
17:7, 41:15, 42:4, 42:8
17
63:16, 64:5, 64:6
19
42:8, 63:17, 64:5, 64:6

2

2
87:22
20
41:15, 42:3, 42:4, 64:2, 64:7
2002
5:19, 11:21, 12:14, 12:16, 12:21, 22:10, 44:5, 44:6
20036
3:7
2004
11:21
2005
11:21
202.551
3:8
2025
1:13, 1:21, 2:2, 12:2, 13:2, 15:6, 95:22, 97:20, 98:9
2028
98:15
2050
3:6
21
5:16
213.612
3:18
22
1:21, 2:2, 45:21, 46:2, 52:18, 52:20, 53:2, 54:1, 97:20
22182
4:7
23
41:15, 42:3, 42:4
25
75:20, 75:21, 76:11, 77:15
26
69:19, 69:20, 81:19
27
51:12, 98:9
270
4:6
2700
3:16
28
51:7, 51:9, 51:10, 51:11, 51:16, 52:3, 53:16, 53:19, 89:8, 91:20
29
13:7, 17:5, 17:11, 66:11, 66:12

3

30
53:5, 53:8
33
64:21, 65:8, 71:2
34
21:4
35
40:22, 64:2,

64:7
355
3:15
36
52:18, 52:20, 53:3, 54:1
37
41:1, 51:7, 51:8, 51:9, 51:17, 52:3, 53:19
38
42:8
39
21:4, 53:16
3i
52:21, 54:3, 54:5, 54:9, 54:12
3j
54:14
3k
54:6, 54:18, 55:11, 55:12, 55:19, 56:9, 58:6

4

40
6:17
41
42:9
42
60:17, 61:13, 66:17, 67:2, 70:14, 71:8, 71:18, 80:13, 87:16, 88:21, 92:13
44
92:10
45
95:2
4a
63:20, 64:19
4b
60:18, 62:6, 62:8, 75:14
4c
60:18, 62:6, 62:8, 63:21, 64:19

5

500
26:13, 26:17, 26:19, 30:4, 30:6, 30:7, 30:8, 30:10, 33:19, 33:20, 34:3, 35:7, 36:15, 37:10, 39:13, 39:14
55
44:4, 45:6, 95:2
59
14:22, 87:22, 96:22, 97:21
5a
23:15, 24:14, 25:2, 25:18, 26:12, 26:16, 29:13, 30:20, 30:21, 34:10, 35:4, 35:7, 36:16, 49:21, 58:7
5b
27:16, 28:5, 28:16, 28:22, 29:15, 29:18, 30:21, 32:10, 32:19, 33:4, 33:18, 34:10, 35:5, 35:8, 36:16, 38:4, 49:22, 50:2
5c
23:15, 24:15, 29:14, 30:20, 58:7

6

60
23:8, 24:8, 29:21, 31:6, 31:7, 37:7, 38:12
604276
1:25
61
24:8
62
5:17, 24:19
63
24:19, 39:12
64
26:5
65
31:6, 31:8
66
26:6, 45:20
67
27:1, 45:20, 46:4, 46:14, 47:1

7

70
58:14, 70:12
703.646
4:8
71
56:19, 57:17, 58:12, 72:2, 72:17
73
74:18, 78:16, 79:20, 80:21, 81:4
74
74:18, 80:21
76
69:22, 81:19, 82:9
77
58:10, 69:22, 85:13, 85:17, 85:19, 86:16
78
69:22, 82:9, 87:8, 87:20, 88:3, 88:5, 94:6
79
69:22, 85:5, 87:10, 88:3, 88:5, 91:11, 94:6
7a
85:22
7b
85:20, 86:1

8

8,842,080
1:14, 12:3, 13:3, 13:13
81
85:5, 89:6
84
5:18
8607
4:5

9

9
1:22, 2:3, 21:4, 97:20
9,141,135
15:8
90071
3:17
98
1:26