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ROCHE DIABETES CARE, INC.,
 Plaintiff,
 v.
 TRIVIDIA HEALTH, INC.,
 Defendant.

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CASE NO:
 24-cv-668-GBW

Wilmington, Delaware
Wednesday, April 30, 2025
Markman Hearing Transcript

BEFORE: HONORABLE GREGORY B. WILLIAMS
UNITED STATES DISTRICT COURT JUDGE

Michele L. Rolfe, RPR, CRR

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1 APPEARANCES:

2

3 MCCARTER & ENGLISH

4 BY: DANIEL SILVER, ESQ.

5 -and-

6 WILMER HAIL

7 BY: OMAR KHAN, ESQ.

8 DENNIS WANG, ESQ.

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15 HERBERT FINN, ESQ.

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P R O C E E D I N G S

(REPORTER'S NOTE: The following hearing was held in Courtroom 6B, beginning at 1:00 p.m.)

THE COURT: Good afternoon, you may be seated.

All right. We're here this afternoon for the *Markman* hearing in *Roche Diabetes Care, Inc v. Trividia Health, Inc.* Civil Action No. 24-668.

Let's get started by having counsel put the appearances on the record.

MR. SILVER: Good afternoon, Your Honor. Dan Silver from McCarter English on behalf of Roche Diabetes Care. I'm joined today by my colleagues from Wilmer Hail, Omar Khan, Dennis Wang, David Yin and Benjamin Morris. And

3

1 we also have two in-house representatives, Mona Gupta and

2 Charles Fox.

3 THE COURT: All right. Good afternoon.

4 All right. Ms. Delcollo?

5 MS. DELCOLLO: Good afternoon, Your Honor, Renee

6 Delcollo from Greenberg Traurig on behalf of Trividia. I'm

7 joined by my co-counsel Herbert Finn, Callie Sand from our

8 Chicago office and our client representative from Trividia

9 Pennie Goldmann.

10 Thank you, Your Honor.

11 THE COURT: All right. Good afternoon, all.

12 All right. I received the -- it looks like two

13 slightly different versions of the letter. I assume we're

14 going by the later version, which means that Claim 7 is

15 still in -- will still be argued?

16 MR. KHAN: Correct, Your Honor. Thank you.

17 THE COURT: All right. We've set aside

18 three hours for this claim construction hearing, split

19 equally between the two sides; so 90 minutes each. And I

20 know that we have a portion with the Roche patents and then

21 second portion with the Trividia patents.

22 So let's get started with the Roche patents, the

23 '467 and the '849 patents.

24 So, Mr. Khan?

25 MR. KHAN: Thank you, Your Honor. So the -- all

4

1 three of the patents in this case relate to test strips,

2 which are useful for blood glucose monitoring. And,

3 essentially, the test strips have a sample-receiving chamber

4 on one end, you place a blood sample into the

5 sample-receiving chamber, there's a reagent in the

6 sample-receiving chamber that mixes with the blood sample,

7 it has an electrical chemical reaction, the electrical

8 chemical reacted detected by the electrodes in the test

9 strip and the test strips have a second end that inserts

10 into a blood glucose meter. So then the electrodes then

11 pass the detection to the meter, which then detects and

12 measures and then tells the user what the blood glucose

13 level essentially is.

14 So the '467 and '849 patents are about the --

15 the '467 is slightly directed more to the structure of the

16 test strips and innovative structures for the test strip;

17 and the '849 is about how to manufacture those and other

18 types of test strips.

19 So the '467 patents starts by talking about the

20 problems in the prior art. So the test strips at the time

21 of the invention were required to be -- had to have smaller

22 test samples and faster analysis times, and it was desirable

23 -- as the patent itself explains -- to have a reagent layer

24 that was as thin and useable as possible.

25 One of the problems -- and there are several

5

1 problems and several solutions that are talked about in the

2 patents, but one of the problems that the patent talks about

3 is in the prior art the reagent layer created a meniscus,

4 and when there's a meniscus created, the thickness at the

5 ends is -- it's thicker than in the middle, which, as the

6 patent itself explains on the face of it, can cause

7 inconsistency in the filling of the chamber where the blood

8 sample is being placed, can cause prolonged dissolution

9 intervals, and then ultimately the test results themselves

10 can be less effective than there would be if there wasn't a

11 meniscus problem.

12 So one of the solutions that's in the '467

13 patent, and it directly ties the meniscus effect and the

14 resolution of the meniscus effect to this solution, is to

15 place the reagent on the base substrate underneath the

16 spacing layer. So basically by placing the reagent layer

17 underneath the spacing layer and on top of the base

18 substrate you now don't have a meniscus effect anymore.

19 Notably whenever the patent is talking about the

20 meniscus effect -- and this is going to come up later --

21 there's no discussion of the reagent layer necessarily going

22 to the dosing edge, so that's an important component of the

23 statement of the invention and the problems that were solved

24 over the prior art. The meniscus effect problem is not

25 solved in -- at least in the statements of the invention by

6

1 having the reagent layer go to the dosing edge.
2 So the first term --
3 THE COURT: Before you go further.
4 MR. KHAN: Yes.
5 THE COURT: Do you have copies of the slides for
6 the Court?
7 MR. KHAN: Oh, yes, we do, Your Honor.
8 THE COURT: All right.
9 MR. KHAN: So the first term that the parties
10 are disputing here is "sample-receiving chamber." And
11 "sample-receiving chamber" we contend should be given its
12 plain and ordinary meaning. To the extent that the Court is
13 inclined to apply a construction, we think it should be "a
14 chamber or compartment in which the sample is received."
15 Those words, Your Honor, they track almost exactly the
16 language that the specification itself uses to describe a
17 sample-receiving chamber in a definitional way.
18 In Trividia's proposed construction it is "an
19 area bounded by the base substrate and the [void]/[cavity]"
20 in the claim we're talking about "in the spacing layer."
21 And there's a couple of things that aren't disputed on this
22 term, Your Honor. So there's no dispute that -- there's no
23 -- that Trividia has any lexicography or definitional
24 language to support its construction. There's no dispute
25 there's no disclaimer. There's no dispute that there's no

7

1 statement of the invention that would limit the claim in the
2 way that Trividia is urging the Court to adopt. And there's
3 no dispute that Roche's construction picks up the exact
4 language that the specification talks about in discussing
5 "sample-receiving chamber."
6 So with that sort of background we'll step into
7 the claim. So Claim 1, exemplary Claim 1, talks about a
8 sample-receiving chamber here that's a part of the spacing
9 layer, and the spacing layer is above the base substrate and
10 it has a void, and the void at least partially defines a
11 sample-receiving chamber.
12 And there's -- again, the words that Trividia
13 wants to incorporate into the claim are not in here.
14 There's no suggestion that the sample-receiving chamber has
15 to be bounded by the base substrate; or that it's "bounded
16 by the void," the void partially defines the chamber and not
17 the other way around.
18 And there's no requirement in the claims, Your
19 Honor, for height or volume requirements. You can see
20 there's nothing in here that says the sample-receiving
21 chamber has to have a certain height. There's nothing in
22 there that says it has to have a certain volume. Those are
23 in certain dependent claims that are not in the independent
24 claims that recite the term.
25 So hear's Trividia's construction, so they are

8

1 asking for the "sample-receiving chamber" term to be given a
2 construction "an area bounded by the base substrate and the
3 [void]/[cavity]." And essentially what they want is two
4 things: First, they want to take the word
5 "sample-receiving" out of the claim, so their construction
6 doesn't say "sample-receiving." So it doesn't provide or
7 state the function to which the area where the claim chamber
8 is being put.
9 The second is they are going to talk the word
10 "chamber" out and replace it by "an area bounded by the base
11 substrate and the [void]/[cavity] in the spacing layer." As
12 I've already kind of alluded to there's no height or volume
13 requirements in the independent claims. The claim itself
14 doesn't say that the chamber has to be bounded by the base
15 substrate, and the void partially defines the chamber, it's
16 not that the chamber is bounded by the void.
17 So our construction, Your Honor, finds direct
18 support in the specification. So the specification in the
19 very, very beginning of the patent, essentially, it's in the
20 introduction, it says: The test strip has several basic
21 components, one of the components is a chamber in which the
22 sample fluid is received for testing. This
23 "sample-receiving chamber," that's as close, Your Honor, as
24 definitional language as we've ever seen, so we contend that
25 that is definitional with respect to the phrase

9

1 "sample-receiving chamber."
2 And that construction is confirmed by other
3 instances of discussion in the specification of
4 "sample-receiving chamber." So, in other instances,
5 "sample-receiving chamber" is described as being --
6 providing a place for receiving the sample fluid. The
7 sample fluid enters and moves into the sample-receiving
8 chamber. There's numerous instances where basically the
9 sample-receiving chamber is given a broad understanding.
10 The plain and ordinary meaning of "chamber" or
11 "sample-receiving chamber," as in prior cases, the chamber
12 has been given its ordinary and plain meaning to just refer
13 to a "compartment" or a "receptacle." And there are Federal
14 Circuit and Judges in this district have previously held
15 similarly.
16 So I've started to talk a little bit about some
17 of the issues that we think are present to Trividia's
18 construction, there's no height or volume requirements in
19 the independent claims; the claims don't talk about the
20 sample-receiving chamber being bounded by the base
21 substrate; the definitional language in the specification
22 that favors Roche. But there's some other issues -- and
23 basically we're going to try to get through them here -- so
24 Trividia's construction introduces redundancy and
25 essentially tautology -- and we'll talk about it in a

10

1 second.

2 (Reporter clarification.)

3 It's inconsistent with the claim language.

4 And then the specification, you know, we just

5 talked about how the specification we believe supports

6 Roche's construction. I'd like to talk a little bit about

7 how the specification does not support Trividia's

8 construction; the specification is actually to the contrary.

9 So starting with the claims. So the first issue

10 is that -- among the other issues I've already raised is

11 that if you introduce the construction that Trividia has

12 proposed into the claims basically the word "void" is

13 already in there and the word "cavity" is already in there,

14 so this is the claim as written: Void that at least is

15 partially define as sample-receiving chamber, cavity in

16 Claim 1 is at least partially define as sample-receiving

17 chamber. And they would have the claim read: Void that at

18 least partially defines an area bounded by the base

19 substrate and a void. And so you have a void being --

20 defining an area that's bounded by the void. And it's --

21 it's completely unclear and, in fact, redundant as to what's

22 already in the claim.

23 The other notion that's it's got in their

24 construction is the word "bounded." So "bounded," Your

25 Honor, is different than what the claim says, which says

11

1 partially defines. So the claim doesn't say partially

2 defines a bound, it doesn't say partially defined as

3 boundary, it just says "partially defines." And that makes

4 sense in the context of a chamber because a chamber is meant

5 to hold something, so the void is actually part of the

6 chamber. And so it's not -- the void isn't bounding the

7 chamber, it is -- it's not the boundary of the chamber, the

8 void is a part of the chamber. And so their construction

9 for that reason also on its face sort of doesn't quite

10 line-up with how the claim and the specification talks about

11 what the chamber is.

12 So then turning to the specification. They cite

13 a number of passages from the specification. One of them is

14 on the right. This is directly from their excerpt of the

15 brief, Your Honor. And the one that they like -- seem to

16 like the most is: The spacing layer includes a void portion

17 to provide a sample-receiving chamber extending between the

18 base substrate and the covering layer. None of those words,

19 Your Honor, are in the claim. So it -- the claim doesn't

20 say the sample-receiving chamber extends between the base

21 substrate and the covering layer. And, of course -- as

22 we'll talk about in a second -- that's just one embodiment

23 that's described.

24 Here is Figure 2 and Figure 3 of the patent.

25 And Figure 2 is an exploded view of the layers in the test

12

1 strip and so from top to bottom. Figure 3 is when those

2 layers are pressed together, and it's a cross section. And

3 we've added, Your Honor, on Figure 2 this red dotted line

4 that indicates where the cross section is taken. So the

5 cross section is taken in the gap here and across diagonally

6 across Figure 2 there. So what we're seeing on Figure 3 is

7 the hash marked are the solid pieces here, the non-hash mark

8 here, Your Honor, these two boxes, two and a half boxes here

9 there is the gap or the void here that's created in Figure

10 2.

11 And you'll see in the next slide, in Figure 3,

12 in the labeling, element 24 is described as the

13 sample-receiving chamber and that -- as I've noted

14 already -- because of the way that the cross section is

15 made, the non-hash mark pieces here, Your Honor, are all of

16 the sample-receiving chamber or the void.

17 And so the -- here's why their construction is

18 contrary to the specification. So the specification only

19 uses the term "bounded" once, it's right here in column

20 14:47-50. And it says: "The chamber is bounded on its

21 bottom sign by reagent layer and its top side by chamber

22 cover." So, of course, that's different from what they are

23 advocating, which is that the chamber should be bounded by

24 the base substrate and the void. And so, therefore, the

25 claim obviously should be understood to be broader than

13

1 either of those proposals.

2 It's also not necessarily bounded by the base

3 substrate. So, again, the cavity or the void is depicted

4 here in 24, that's the sample-receiving chamber, we put a

5 red box around it, and the orange layer here that's the

6 reagent layer, layer 33. And here the chamber is bounded by

7 the reagent layer, the blue is the base substrate, that's

8 layer 33 -- sorry layer 12, so layer 12 here is not bounding

9 the chamber in this figure.

10 So, Your Honor, throughout the specification

11 it's pretty clear that the sample-receiving chamber is not

12 bounded the way that they want and we think for the

13 reason -- really quite simply because the specification

14 includes a definition of sample-receiving chamber that

15 Roche's construction or plain meaning should be adopted.

16 If there are no questions, I'll take a pause

17 here.

18 THE COURT: All right. I understand your

19 argument.

20 MR. KHAN: Thank you.

21 THE COURT: All right. Trividia?

22 MS. SAND: Your Honor, can I approach? I've got

23 copies of our presentation as well.

24 THE COURT: Yes.

25 MS. SAND: Good afternoon, Your Honor. Before I

1 address the sample-receiving chamber, I also wanted to just
2 briefly go through the two Roche patents. So we have the
3 '467 patent and the '849 patent. And as the other side
4 said, these are related, they share a specification, so when
5 we're citing to things in the '467 patent, they are also
6 found in the '849 patent.

7 The '467 patent is directed to a test strip for
8 measuring glucose. The '849 is directed to methods of
9 manufacturing that test strip.

10 We have slightly different views of the
11 technical problem that the Roche patents are trying to
12 solve. So the Roche patents in the specification talks
13 about what was known in the prior art. And they are pretty
14 specific on that point, they talk about how it was known in
15 the prior art to provide elongated webs of test strip
16 material on which a continuous stripe of reagent is
17 deposited. The test strips are then cut from the elongated
18 web, the cuts extending through the reagent layer. That's
19 what the prior art teaches us.

20 But there's a problem with manufacturing test
21 strips with that stripe of reagent. You have a
22 sample-receiving chamber that ends up having two different
23 levels on the floor. The first level is a base substrate.
24 The second level is the reagent layer that's going across
25 the base substrate. And the problem with this is that the

1 reagent layer is going to have edges that are uneven in
2 thickness and width, the edge quality can vary. The
3 specification is very clear that these type of
4 inhomogeneities can lead to inaccuracies when it comes to
5 analyte concentration.

6 And why this is important is as you make these
7 sample-receiving chambers smaller and smaller -- which
8 everyone wants because that means you're going to be needing
9 less blood to go in there, no one wants to have to be
10 pricking their finger more than they need to -- the quality
11 of the reagent layer becomes more important; it's just a
12 smaller chamber there's less room for error. So the goal of
13 the Roche patents was to form a test strip with a small
14 sample-receiving chamber that includes a reagent layer that
15 avoids the drawbacks discussed above, those discontinuities
16 in the floor of the chamber.

17 The summary of the invention, the Roche patents
18 are very clear on that point. You have a reagent layer
19 sandwiched between the spacing layer and the base substrate,
20 it extends to the first and second sides of the base
21 substrate, and it also extends to the sample-receiving end
22 of the test strip. And this is important because that gives
23 a uniform reagent layer, that's what avoids the edge and
24 meniscus effects that they discuss above.

25 We have two example claims here, as I mentioned

1 earlier, the '467 patent is directed to the test strip, the
2 '849 is for a method of manufacturing. There's a lot of
3 similar elements: Base substrate, spacing layer, covering
4 layer and a reagent layer that goes between a base substrate
5 and the spacing layer.

6 So moving into sample-receiving chamber.
7 Trividia is proposing: "An area bounded by the base
8 substrate and the [void]/[cavity] in the spacing layer."
9 Roche has said this term doesn't need any further
10 construction, has its plain and ordinary meaning. And that
11 might apply in some patents, but the issue we have with that
12 here is some of the claim language. So if you look at some
13 of these dependent claims, like Claims 17-20 of the '467,
14 you can see that they have specific requirements, specific
15 dimensions.

16 Claim 17, for example, you've got a height
17 requirement; same for Claim 18. Claims 19 and 20 both have
18 volume requirements. And so when we're looking at how do we
19 interpret "chamber," we're saying this is a term that needs
20 to have specific dimensions; what makes up the bottom of
21 this chamber; what makes up the sides of this chamber; how
22 do we determine what the volume is; what point are we
23 starting from, what point are we ending from.

24 THE COURT: Well, if you have a term that has a
25 limitation that's included in the dependent claim, doesn't

1 that necessarily mean that that added limitation is not in
2 the independent claim?

3 MS. SAND: That's true, you know, the dependent
4 claims are going to be more narrow, but we're going to be
5 construing a term consistently throughout, so if the
6 dependent claims have a sample-receiving chamber that has
7 specific dimensions, we do think that should be interpreted
8 consistently across all of these claims.

9 THE COURT: So you -- if a dependent claim has
10 certain size limitation, you think that should be implied
11 into the independent claim?

12 MS. SAND: I apologize if I wasn't clear on
13 that, Your Honor. Those specific size limitations, no,
14 those are specific to those dependent claims. It's more the
15 aspect of in order to have these size limitations, we need
16 to have an agreed-upon definition of what the chamber is or
17 what the compartment is; like what makes up the sides, what
18 makes up the bottom, what makes up the top. And so while
19 the independent claims don't have those specific height
20 requirements, when we get into these dependent claims that
21 have height requirements, they have volume requirements, to
22 us that suggests that this is a term that needs to have some
23 specific boundaries. We don't need to have that specific
24 height in the independent claim, but we need to know what is
25 the top, what is the bottom, what are the sides.

1 So the '849 patent, that also describes a
2 sample-receiving chamber, you have a cavity that at least
3 partially defines. And so that goes back to what we were
4 discussing a little bit earlier, which is we know what
5 partially defines a sample-receiving chamber, but what else
6 does? And the claims are just not entirely clear on that
7 point.

8 Now, one thing I wanted to note is that Roche
9 did criticize us for not including the term
10 "sample-receiving" in there, we are open to modifying our
11 claim construction to include that, if that's a point of
12 contention. For us the thing that's important is just
13 determining what are the boundaries of that sample-receiving
14 chamber; what makes up the bottom, what makes up the sides.

15 So the specification does provide us more
16 guidance as to what these boundaries of the sample-receiving
17 chamber are. For example, in the basic description, the
18 spacing layer, that's the portion that partially defines the
19 sample-receiving chamber, the specification teaches us that
20 it includes a void portion to provide a sample-receiving
21 chamber extending between the base substrate and the
22 covering layer. And, again, it specifies that the test
23 strip has a spacing layer that overlies the base substrate,
24 that's why we're using that as our bottom boundary, and that
25 the spacing layer in part defines the sample-receiving

1 chamber.

2 In particular, it includes a void portion
3 substantially defining the height and the perimeter of the
4 sample-receiving chamber. So, again, that's where our
5 proposed construction is from, we're looking at the
6 specification we're seeing it tell us that the void portion
7 defines height and perimeter. We're seeing that the spacing
8 layer is overlying the base substrate, and so that's what
9 we're proposing just to give some boundaries and
10 clarification to this term.

11 So, as I said earlier, Roche has said the plain
12 and ordinary meaning of this term doesn't need to be
13 anything more than chamber or compartment in which a sample
14 is received. And, again, we're open to including this
15 "sample-receiving" language in our construction, but what we
16 keep coming back to is what are these specific boundaries,
17 and Roche hasn't been willing to concede any.

18 So if we're sitting here and we're in a scenario
19 where these boundaries, what defines the height, what
20 defines the length, what decides the width is it the base
21 substrate? Is it the electrodes? Is it an adhesive layer?
22 They point to something in the specification talking about
23 the reagent layer, but the claim language is clear that the
24 reagent layer is disposed in the sample-receiving chamber,
25 so, in our view, the claim language rules that out. But the

1 fact that they are not willing to concede any boundaries on
2 this point, for us just shows why we need this type of
3 construction.

4 Now, Roche has criticized the use of this
5 [void]/[cavity] as a boundary. But, again, going back to
6 the claims and specification, they are teaching us that the
7 [void]/[cavity] in the spacing layer, that's that layer 22
8 -- unfortunately the highlighting doesn't show up clearly
9 there, but you can see it on the right side. It teaches us
10 that that [void]/[cavity] in the spacing layer must at least
11 partially define the sample-receiving chamber.

12 If you have any additional questions, I'm happy
13 to answer them. Otherwise, I will pause there.

14 THE COURT: How do you respond to Roche's
15 argument that Trividia's proposed construction introduces
16 redundancy?

17 MS. SAND: So we disagree that there's
18 redundancy there. But to the extent that there's anything
19 that we need to modify to resolve that issue, we're open to
20 it. We just haven't gotten a proposal from them other than
21 that they don't like our construction.

22 So we are open to interpreting this in a way
23 where maybe we're just adding a lower and upper boundary.
24 The important thing for us is that we come to some sort of
25 agreement of what the boundaries are and we just don't have

1 any agreement on that point.

2 THE COURT: Well, how do you respond to Roche's
3 argument that, you know, these are words used in common
4 parlance and there's case law that says that, you know, you
5 don't -- its plain and ordinary meaning, you don't need any
6 construction? And then their argument about the
7 specification at the very beginning defines, sort of,
8 what -- by definition defines "sample-receiving chamber,"
9 and thus, you know, adding additional construction just
10 because -- I'm just trying to understand why you would think
11 that if there are words that a jury could easily understand,
12 why do you think that you have to have some boundaries
13 defined? You didn't make an indefiniteness argument.

14 MS. SAND: Yeah, so I'll try and respond to each
15 of these points.

16 The first one related to the cases that they
17 cited talking about plain and ordinary meaning. Now, I'm
18 not disputing that "chamber" doesn't always need to be
19 construed; it can have its plain and ordinary meaning in
20 many situations. One of the cases they cited the *Dyson*
21 case, for example, that's talking about a chamber on a
22 vacuum cleaner. If we were dealing with that type of
23 situation, we wouldn't be sitting here arguing that
24 construction.

25 What we're struggling with here is that we have

1 claim language that gives us a sample-receiving chamber, but
 2 it only partially defines it. We've got a spacing layer
 3 that partially defines. And when we see that kind of
 4 language, it makes you wonder but what else defines the
 5 sample-receiving chamber? What else makes it up? And then
 6 when you have dependent claims that have these specific
 7 requirements that's not in those cases that they are
 8 pointing to where you have specific height and volume
 9 requirements, so that's the reason why we think it needs to
 10 have more boundaries other than just saying a "chamber in
 11 which the samples are received."

12 The second point -- and I apologize, the second
 13 point related to -- if you'll remind me, again, Your Honor,
 14 I want to make sure I'm answering your questions directly.

15 THE COURT: I said that -- I asked you about
 16 redundancy.

17 MS. SAND: Yes. So in terms of redundancy, if
 18 an issue here is that the claim language already says "a
 19 spacing layer partially defines," you know, we can adjust it
 20 as such to leave that out. For us we think it's helpful to
 21 have that the spacing layer has the specific boundary
 22 because in the specification it talks about how the spacing
 23 layer is the height and perimeter of the sample-receiving
 24 chamber. However, if you think that's a redundant point, if
 25 you think it's unnecessary that we need that spacing layer

1 here, we're willing to modify our construction where, for
 2 example, we're just talking about how the spacing -- the
 3 space -- I apologize. The sample-receiving chamber has the
 4 base substrate, has the spacing layer -- like we are not
 5 100 percent wedded to the language. We understand that
 6 construing claims is an imperfect art. For us the main
 7 points we're trying to get at is what are these boundaries
 8 exactly. The claims only tell us that the spacing layer is
 9 the partial definition of it and we're just trying to come
 10 one a construction that adds what else defines that void in
 11 the spacing layer; what else defines that sample-receiving
 12 chamber.

13 THE COURT: Okay. Is it possible that different
 14 embodiments could be bounded by different layers?

15 MS. SAND: It is possible. But when there's a
 16 tension between the specification and what the claims
 17 require, the claims should control.

18 So, for example, Roche pointed to an embodiment
 19 where the -- they said "the sample-receiving chamber has the
 20 reagent layer is the bottom boundary." Well, the claim
 21 language here specifically says that "the reagent layer is
 22 disposed in the sample-receiving chamber." So when you look
 23 at that claim language, that suggests that's not the bottom
 24 boundary, it -- the sample-receiving chamber is separate
 25 from the reagent layer, otherwise the reagent layer wouldn't

1 be disposed in it.

2 THE COURT: All right. I understand your
 3 argument.

4 MS. SAND: Okay.

5 THE COURT: All right. Any reply or we're
 6 moving on to the next?

7 MR. KHAN: I think the issues on the
 8 sample-receiving chamber are mostly joined, Your Honor, and
 9 don't need to belabor it. I just make one very small point.
 10 I think the concession right at the end that the
 11 sample-receiving chamber can be bounded by multiple layers,
 12 that's, in our view, sort of the end of it, because the word
 13 in the claim is not bounded, it's partially defined. The
 14 void partially defines a chamber, and so it doesn't say that
 15 the void partially defines the boundary or the end boundary,
 16 it just says the void partially defines. And the void is
 17 part of a chamber, just like the inside of a glass, the void
 18 inside of a glass is part of the glass or a cup.

19 And so, really the claim language is fully
 20 supportive, there's a definition the specification. And on
 21 the point of the heights and volumes, you know, a person of
 22 ordinary skill in the art, their expert, our expert, can
 23 look at what's a sample-receiving chamber, how it's bounded,
 24 a word not in the claim, and figure out what its height and
 25 volume are, and the jury can easily understand that as well.

1 So with that, moving on to "covering a portion
 2 of the base substrate." So on this, Your Honor, Roche is
 3 proposing, once again, the plain and ordinary meaning.
 4 We've also tried to explain to the Court what we think that
 5 means, and it's basically covering a part of the base
 6 substrate. And really what we've tried to say is what does
 7 "portion" mean and the dictionary definitions in other case
 8 law are quite clear that a "portion" is just a part.

9 Trividia is proposing, essentially, that
 10 covering a portion of the base substrate can be construed to
 11 mean covering the opposite side edges and a dosing end edge
 12 of the base substrate. And, again, as I did before, Your
 13 Honor, a couple of things are not disputed, there's no
 14 dispute, they are not relying on lexicography or
 15 definitional language, Trividia is not. They are not
 16 relying on disclaimer. There's no dispute that the plain
 17 meaning of "portion" is part. There's -- and this is
 18 important because it kind of relates to the point my
 19 colleague on the other side was making a little while ago,
 20 there's no statement of the invention or the problem or
 21 solution in the specification that uses that language, that
 22 uses the language that they have on the screen right there.
 23 And you won't see it anywhere in their papers, you won't see
 24 it here today.

25 There's also no statement in the invention

1 anywhere the specification that ties any aspect of the
2 alleged invention expressly or any aspect of the problem or
3 solution to needing the reagent layer to go to the dosing
4 end -- end edge. So nowhere in the specification will you
5 see expressing a statement that there's a problem in the
6 prior art that is solved by needing the reagent layer to go
7 to the dosing end that's not in the patent.

8 So with that Your Honor, we'll start with the
9 claims. And the "covering a portion of the base substrate"
10 limitation is in the reagent layer element of the claim. So
11 there's a reagent layer disposed in the sample-receiving
12 chamber and the reagent layer covers a portion of the base
13 substrate. So the language is pretty clear on its face it's
14 covering a portion of the base substrate, not the whole base
15 substrate. It doesn't tell you that it necessarily has to
16 go to the side edges; it doesn't tell you that it has to go
17 to the end edges, to the dosing end edge.

18 And if we look at now Trividia's construction,
19 Trividia's construction is "covering the opposite side edges
20 and a dosing end edge of the base substrate." And what they
21 are basically doing is they took the word "portion of" out
22 of the claim and replaced it with "the opposite side edges
23 and a dosing end edge of."

24 And there's a couple of problems with that, and
25 some of them are fundamental. And one of them is that the

1 two side edges are already in the claim, so it said -- the
2 claim already says "a reagent layer covering a portion of
3 the base substrate..." and then "the reagent layer extends
4 under the spacing layer to two side edges of the base
5 substrate." So the claim itself already tells me that the
6 reagent layer goes to the two side edges of the base
7 substrate. So at least half of their alleged -- additional
8 language is unnecessary and redundant in light of the claim.

9 The other half of their additional language is
10 that "the reagent covers the dosing end edge of the base
11 substrate." Well, that's really problematic because we have
12 a dependent claim where the reagent layer extends to the end
13 edge of the base substrate. And so, of course, the most
14 fundamental claim differentiation principles require that
15 the broader -- that the independent claim is broader than
16 the dependent claim and that, therefore, the independent
17 claim -- in the independent claim the reagent layer does not
18 extend to the end edge of the base substrate.

19 And so just to reset on the meaning of the word
20 "portion," "portion" is quite clearly and almost, you know,
21 universally understood to mean a "part," including in this
22 District in prior decisions by other judges in the District.
23 And as I've already talked about there are at least two
24 limitations that are rendered superfluous and redundant by
25 adding Trividia's claim language -- proposed construction

1 into the claim language. And one of them is a dependent
2 claim, which, of course, by the principle claim
3 differentiation that the independent claim must be broader.

4 At least the Federal Circuit has noted a couple
5 of different times that the presence of the claim limitation
6 in an independent claim is powerful evidence that the
7 independent claim or the claims from which that dependent
8 claim depend do not include that limitation or are broader.

9 The specification is completely consistent with
10 Roche's proposal and actually contradicts Trividia's
11 proposal.

12 So figure 8, Your Honor, is described as a
13 preferred embodiment. And here figure 8 we've added the red
14 dotted lines, Your Honor, and the arrows, so those are not
15 in the original figure, and we've colored the reagent layer
16 orange, that's also not in the original figure. But you can
17 see the test strips -- this is the web of the test strips
18 that is created and -- how the assembly test strips are
19 created. Each of the test strips has a reagent layer
20 covering the electrodes at the end there. And the reagent
21 layer in figure 8 is not going to the dosing end edge, this
22 is the dosing end edge right here. And so that's an example
23 in the specification that will be covered by Claim 1 that we
24 just talked about. And for that reason Trividia's
25 construction is improper.

1 They, in their briefing, say well, don't worry
2 about figure 8 because there's this other passage in the
3 specification that talks about trimming that top edge -- the
4 top, that white part, Your Honor, that -- above the reagent
5 layer, it talks -- and they say well, that part is always
6 trimmed off. Well, not really because the passage that they
7 are referring to is in the context of figure 13, a different
8 embodiment; so figure 8 stands on its own.

9 There are numerous examples of the -- in the
10 specification of the reagent layer not necessarily extending
11 all the way to the dosing end edge and the reagent layer is
12 described as substantially covering the floor, it's
13 described as being close to the first edge, but not to the
14 edge; whereas the reagent layer is coating most of the
15 floor, not the entire floor.

16 And they point to this passage repeatedly -- and
17 my colleague on her side started her presentation with this
18 passage which is under -- which is the second paragraph
19 under "summary of the invention." And she contended,
20 essentially, that this passage is what allows Trividia to
21 propose that the reagent layer should extend to the doing
22 end edge. Really important part about this passage is it
23 starts with "in one form thereof..." so this is one aspect
24 of the present invention that's being described in this
25 paragraph, and we don't contest it. One aspect of the

1 present invention yes, absolutely, requires that the reagent
2 layer extends to the dosing end edge, but this is one
3 embodiment, one example of the present invention. It is not
4 commensurate with the full scope of the invention as
5 reflected in the independent claims and in the other
6 examples that are provided in the patent.

7 So they have another couple of passages that are
8 cited in their brief. I'm just going to try to march
9 through them all, but the thematic point is the same. In
10 each instance we're going to see that the passages or the
11 paragraphs right before start with "in a preferred form,"
12 so, again, not descriptive of the invention as a whole, "in
13 another preferred form," again not descriptive of the
14 invention as a whole.

15 And so throughout, Your Honor, there's not going
16 to be a statement as I started my presentation today there's
17 not going to be a statement of the invention as a whole that
18 says you must go to the dosing end edge -- the reagent layer
19 must go to the dosing end edge. There's also no statement
20 requiring a solution that requires that.

21 So these are just other examples in their brief
22 that I've already kind of alluded to, same thematic point,
23 it that's a form thereof, it's a preferred embodiment, these
24 again are not statements of the invention as a whole.

25 To the problem solution, so the problem in the

1 prior art and the solution that the patent tried to offer.
2 The solution that the patent tried to offer to the meniscus
3 effect doesn't talk about the reagent layer going to the
4 dosing end edge. The solution is place the reagent on to
5 the base substrate before the spacing layer is added; there
6 was is no meniscus effect. And that's exactly what we said
7 in the file history. We said by placing the reagent layer
8 on the base substrate before the spacing layer is added
9 there's no meniscus effect. There's nothing in there that
10 says have the reagent layer go to the dosing end edge.
11 Right.

12 Then they also talk about what is a problem in
13 the prior art that's described as a two different levels
14 problem; the problem that there are two different levels in
15 the patent sometimes because the base substrate might have
16 one level and the reagent layer creates a second level.
17 Again, the patent doesn't -- nowhere in the patent will the
18 solution to that problem -- nowhere, will the solution to
19 that problem be tied to extending the reagent -- to the
20 dosing end edge. The solution is here. The solution is
21 that when you put the spacing layer -- when you put the
22 reagent layer under the spacing layer it makes the reagent
23 layer more flat and it makes it thinner; and we've got
24 dependent claims that are directed to that aspect of the
25 invention.

1 And so, Your Honor, again, nothing in the
2 invention or the statements of the invention requires the
3 result that they are after, and it's essentially through
4 attorney argument, not even expert testimony or extrinsic
5 evidence, that they are suggesting to you that there should
6 be additional language read into the specification in the
7 seams of the invention.

8 Unless the Court has any questions, maybe I can
9 pause there.

10 THE COURT: I don't have any questions. I
11 understand your argument.

12 MR. KHAN: Okay.

13 THE COURT: So Ms. Sand, let me ask you an
14 important question: How can Trividia's proposed
15 construction be the appropriate construction if it excludes
16 preferred embodiments?

17 MS. SAND: So our position on this is that it
18 doesn't exclude any preferred embodiment here. When we look
19 at the embodiments the specification, they all talk about
20 the reagent layer extending to the dosing edge. And so we
21 don't see any situation where our construction is excluding
22 a preferred embodiment, like these embodiments all line up
23 with the purpose of the invention. If there's a specific
24 embodiment that you're curious about, I'm happy to address
25 that more specifically.

1 THE COURT: Well, the one on -- how about the
2 one on column 27:57-62.

3 MS. SAND: So for this specific construction,
4 this -- all of these embodiments -- it's really one
5 embodiment walking through the manufacturing of these test
6 strips. So what we're looking at here is discussing
7 preparing the reagent layer. It's one step in this
8 manufacturing process. So, for example, Roche put up figure
9 8 and said, see, we had this end edge, it doesn't have to be
10 cut off, it's another embodiment that Trividia is pointing
11 to, but that's a step in the manufacturing process where the
12 reagent stripe is laid down on top of the base substrate.

13 If you continue through the manufacturing steps,
14 which include putting a spacing layer above it, putting a
15 covering portion on, when you get to the separating the test
16 strip portion, that's when the specification talks about you
17 cut through to separate everything into these test strips
18 and you also cut off that dosing edge to give yourself a
19 clean line.

20 So this specific section, 27:57-62, that's just
21 part of the manufacturing process; the final product does
22 have that end edge removed.

23 THE COURT: How do you respond to the argument
24 that the only difference between the independent claim,
25 Claim 1 and the dependent claims, Claims 2 and 3, is that

1 the reagent layer extends to the end edge of the base
2 substrate or has an end edge that is aligned with the end
3 edge of the base substrate, which is dependent Claims 2 and
4 3, thus those claims that -- those limitations could not be
5 in Claim 1.

6 MS. SAND: So when it comes to dependent claims,
7 it's not using the exact same language that we're proposing
8 for our claim construction. And so while these are pretty
9 similar claim limitations, we have cases like the *Chewy*
10 case, for example, where dependent claims using similar
11 language are not necessarily going to exclude an independent
12 claim from having a similar limitation read into it. It's
13 different terminology; a patent drafter will use different
14 ways of claiming that same terms. So I think the fact that
15 it's in certain of the dependent claims as "end edge," they
16 don't specify what the end edge is exactly. Our
17 construction is talking about a dosing end edge specifically
18 and so there's a little bit of a distinction there.

19 For us the overarching point has been more what
20 is the purpose of the invention, what does the specification
21 teach us, what is required from that. Now, we understand
22 that the claim isn't explicitly requiring this, but when you
23 look through the patent, when you look at what it's teaching
24 around, Roche is pointing to this meniscus effect and
25 they're saying we've solved that, all you need to look at is

1 that the reagent layer is between the spacing layer and the
2 base substrate. That's not entirely accurate because, you
3 know, we just got done talking about a sample-receiving
4 chamber, that's a void in the spacing layer. Where you have
5 a void there's not going to be anything in the spacing layer
6 pressing down on the reagent to smooth it out, there's going
7 to be inhomogeneities there, it's not going to be perfectly
8 even because there's not a weight pressing above it.

9 And so how do you solve that problem? Well, you
10 have it extend to the end edges so that it's trimmed off of
11 the manufacturing process and then we get a nice, clean
12 smooth homogenous layer.

13 THE COURT: Where does the claim require
14 extending to the dosing end edge?

15 MS. SAND: I admit the claim does not explicitly
16 require it to extend to the dosing end edge. But what we're
17 basing this off of -- and generally, you know, the case law
18 is clear that we can't read a limiting embodiment into the
19 claims, but here all the embodiments are talking about it.
20 The prior art -- what we're teaching away from is prior art
21 that has a continuous stripe of reagent layer extending
22 across these webs of test strips.

23 So what's the distinction between the prior art
24 if we still have these two levels in the base substrate? I
25 can jump ahead to -- this is where the specification is

1 talking about the prior art again. So Roche is saying we
2 don't need to get into whether the end edge is covered here,
3 like we just need the reagent layer to go to these side
4 edges of the test strip. That looks an awful lot like this
5 prior art problem that the patent is saying we need to get
6 away from, this is the issue here, it is saying it is known
7 to provide elongated webs of a test strip material on which
8 a continuous stripe of reagent gets deposited. The test
9 strips are then cut from the elongated web, the cuts
10 extending through the reagent layer.

11 And then it teaches that in those types of test
12 strips you have a sample-receiving chamber with two
13 different levels, a base substrate and a reagent layer, and
14 that these discontinuities can be problematic. So that's
15 the problem that it's teaching here, and what we're
16 struggling with reconciling is when Roche is saying "plain
17 and ordinary meaning," what it's really getting at is that
18 this reagent layer doesn't need to extend to the dosing
19 edge, but what we're left with is this prior art problem
20 that we're trying to solve. So, yes, we're not explicitly
21 saying that there's -- the patentee acting as its
22 lexicographer here, but, like, the purpose of the invention,
23 what it's distinguishing from in the prior art it's all
24 teaching away from what Roche is trying to cover right here.

25 THE COURT: Yeah, but they say that placing the

1 reagent onto the base substrate before the spacing layer is
2 added there's no meniscus effect.

3 MS. SAND: The problem with that -- and I'm not
4 going to say that this -- the reagent layer is not limited
5 to the sample-receiving chamber, I should say. So if
6 there's parts where the reagent layer is sandwiched between
7 the spacing layer and the base substrate that can be a
8 situation where the meniscus effect is limited because
9 you've got that spacing layer on top of that. But the
10 sample-receiving chamber, there's no spacing layer there,
11 the sample-receiving chamber is void of the spacing layer.

12 And so when they are talking about this problem
13 here -- so you can see here in figure 2, for example, the
14 spacing layer is that element 22, it's got that U shape in
15 it, that's what's goes on that top of the reagent, that's
16 that partially defining the sample-receiving chamber. So
17 when they are saying we can get rid of this meniscus effect
18 because we have the spacing layer on top of that, that
19 doesn't apply when it comes to the sample-receiving chamber,
20 that portion that we're talking about. There's nothing in
21 the spacing layer pressing down on that reagent layer in
22 that void region, so how do you remove these
23 inhomogeneities, how do you remove these end edge quality
24 issues. And the specification teaches that it's by cutting
25 those edges off to get a nice clean line. You're removing

1 where there's most likely to be variable quality or there
2 might be issues that causes it to be inaccurate or not a
3 uniform layer.

4 And when it comes to the prosecution history,
5 we're not arguing disclaimer here, but, again, during
6 prosecution the applicant confirmed that it's the edge
7 quality of these reagent stripes that can be highly
8 variable. And those inhomogeneities can lead to
9 inaccuracies in determining anatology concentration.

10 So, once again, this is the prior art problem
11 they are teaching, these reagent layers that are just put
12 down that can have some problems with edge quality and how
13 do we solve that. And over and over again the specification
14 teaches that the reagent layer extends to the first and
15 second sides of the base substrate and that it extends to
16 the sample receiving end of the test strip. We see it in
17 the figures, we see it in the embodiments.

18 And so while limitations from the specification
19 usually should not be imported into the claims when this
20 features the aspect of the invention as a whole, when this
21 is how they are getting over this prior art problem, this is
22 a problem that they're trying to solve in the patent, then
23 that feature is clearly limiting even if it's not explicit
24 in the claim language.

25 So, again, here, Roche's construction covering

1 the prior art problem. Again, we get back to these
2 elongated webs of test strip material, they were pointing to
3 figure 8 showing a reagent stripe on top of a web of a base
4 substrate. When you look at that, that looks very similar
5 to what's being described here. I can't really distinguish
6 from it. And so we have an issue here where they're
7 effectively trying to recapture this prior art problem that
8 they were teaching away from.

9 THE COURT: All right. I understand.

10 MS. SAND: Do you have any other questions for
11 me?

12 THE COURT: No. I have a question for Mr. Khan.

13 MS. SAND: Okay.

14 THE COURT: So Mr. Khan, I'd like you to respond
15 to Trividia's argument that that this looks -- go back to
16 467 at column 2:20-21 that Trividia had on the screen, which
17 is page 24 of Trividia's slides. And Ms. Sand has said that
18 this looks very similar to the prior art problem, and it
19 looks like Roche is trying to recapture the prior art that
20 Roche was teaching away from.

21 How do you respond to that?

22 MR. KHAN: Yes, Your Honor. So, first of all,
23 to the extent that we were trying to recapture -- I think we
24 just heard that they are not making a disclaimer argument,
25 but let's put that aside for a second.

1 This passage is talking about a continuous
2 stripe of reagent is deposited, the test strips are then cut
3 from the elongated web, the cuts extending through the
4 reagent layer, the sample-receiving chamber has a floor with
5 two different levels. There's nothing in here about spacing
6 layer, there's nothing in here about the reagent layer being
7 under the spacing layer.

8 If we can flip back to slide 6 of Roche. Here's
9 where the patent itself talks about how to avoid the
10 meniscus effect. And what does it say? It doesn't say --
11 just rely on the prior art. It says what you have to do is
12 place the reagent onto the base substrate before the spacing
13 layer is added. And that portion, that concept was not in
14 that prior passage, not in the prior art.

15 Just three additional points, Your Honor, with
16 the Court's indulgence on this. First, we heard reference
17 to the *Chewy* case, that case was about a dependent claim
18 which -- the claim differentiation argument that was made
19 was with respect to an independent claim and a dependent
20 claim from -- that did not depend from that independent
21 claim, so they were not on the same claim tree, so they were
22 in different claim trees. And so that was -- that's a
23 completely different fact pattern from what we're talking
24 about here where you've got basically an independent Claim 1
25 and then the direct dissidence, the direct dependence sort

1 of narrowing the claim to exactly the construction that
2 Trividia is seeking here.

3 I think I heard for the first time today that
4 all of the embodiments have the dosing end, have the reagent
5 layer going to the dosing end edge. I don't think that's
6 quite right. We showed about a half dozen examples,
7 including the one that the Court pointed to, where it said
8 the reagent layer goes close to the edge. But I think the
9 best example that directly responds to counsel's argument on
10 that, this is in column 17:50-63 and here -- I'm going to
11 start the Court here at: "In the most preferred embodiment,
12 the reagent layer extends the full width of the test strip."
13 The next sentence. "The reagent layer also preferably
14 extends from the end edge to the vent opening." "Preferably
15 extends from the end edge to the vent opening." Not in all
16 cases, not in all preferred embodiments, in one
17 preferably -- in one embodiment it preferably extends from
18 the end edge to the vent opening.

19 So it's pretty clear in the patent, Your Honor,
20 that it's a nonlimiting preferred feature to have it go to
21 the dosing end edge. There's also preferred embodiments in
22 figure 8 and the other passages that we showed you where
23 those are not requiring the reagent layer to go to the
24 dosing end edge.

25 With that, Your Honor, unless the Court has any

1 questions, we can move on to the next term.
 2 THE COURT: No, I don't have any more questions.
 3 MR. KHAN: The next two terms the parties have
 4 agreed to submit those on the papers, but happy to take any
 5 questions to the extent that the Court has any. That is
 6 "sandwiched between" and "layer."
 7 THE COURT: Do the parties -- so Roche contends
 8 that the plain and ordinary meaning is "a thickness of
 9 material" and that Roche disagrees that the layer which may
 10 have multiple materials -- Roche contends it may have the
 11 same or different materials from the materials below or
 12 above it.
 13 MR. KHAN: Yes, Your Honor.
 14 THE COURT: What about the thickness and the
 15 layer, does it have to be different than the thickness of
 16 the material in the layer above or below it?
 17 MR. KHAN: No, Your Honor. And, again, let's --
 18 we could do this very quickly. So here the claim tells you
 19 which layer -- what the differences are between the layers.
 20 It tells you one is a spacing layer, one is a covering
 21 layer, one is a reagent layer, and there's an adhesive layer
 22 down here so that's -- the claim itself tells you -- has
 23 adjectives that describe why the layers are different.
 24 In all ordinary respects, the plain and ordinary
 25 meaning is that -- and this is contrary to what Trividia is

1 proposing, which basically for them both -- either the
 2 thickness or other properties of the layer would be
 3 different. And there's nothing in the claim that requires
 4 that, the dictionary definitions are consistent with, it's
 5 just a thickness of matter, it's a certain thickness, and
 6 for different layers and different thicknesses can be the
 7 same or different.
 8 There's a case in the District, Judge Andrews
 9 held that "layer" doesn't even require a construction, but
 10 to the extent the Court feels it does require a
 11 construction, we offer thickness of material.
 12 I mean, it is a very common concept to think of
 13 "layers" as being the same thickness. There are layers of
 14 an onion, there's layers of ham in a sandwich, there's cases
 15 that we cited in the briefing where "layers" are used to
 16 basically refer to different layers of paint, where layers
 17 are basically the same but they are thicknesses of material
 18 that may or may not be stacked up on top of each other.
 19 There are examples in the patent where the
 20 layers are the same, same thickness. So here we have the
 21 body cover 18 and the chamber cover 20, both made of Melinex
 22 four to five mils, and then the spacing layer is four to
 23 five mils. So the examples in the specification are
 24 consistent with it and directly rebut, Your Honor, the
 25 notion that the thicknesses have to be consistent.

1 Maybe I can pause there and not get into too
 2 much --
 3 THE COURT: You answered my question.
 4 MR. KHAN: Thank you.
 5 THE COURT: I'll let Trividia if you have
 6 anything you want to -- any comments, argument that you want
 7 to make on "layer," since I asked Roche a pointed question,
 8 I wanted to give you an opportunity to stress any comments
 9 that you wish to make.
 10 MS. SAND: Yes, Your Honor. Just very briefly.
 11 So it seems the parties are in agreement on a layer being a
 12 thickness of material. What we're trying to figure out is
 13 how we distinguish one layer from another. And the point I
 14 wanted to address very briefly was where Roche was showing
 15 these sample materials that they can use and saying see
 16 these layers that are next to each other, they can be made
 17 out of the same material. That actually showed there being
 18 an adhesive layer between the spacing layer -- spacing
 19 layer, adhesive layer, that was a different material -- and
 20 then chamber cover and body cover are all in one row and
 21 those are made out of the same material.
 22 So we don't think that contradicts the argument
 23 we're trying to make where these are different materials
 24 because that embodiment in the specification actually does
 25 show that adhesive layer with a different material between

1 them.
 2 We're not saying that if a layer has one
 3 material that appears in the test strip that can't appear
 4 anywhere else. What we're just saying is that the layers
 5 that are adjacent to each other should be different
 6 materials.
 7 THE COURT: All right. I understand your
 8 argument.
 9 MS. SAND: Thank you, Your Honor.
 10 THE COURT: All right. Let's move on to the
 11 next.
 12 MR. WANG: All right. Good afternoon, Your
 13 Honor, Dennis Wang on behalf of Roche.
 14 So for this next term -- and actually for the
 15 next two terms, they all relate to the Roche '849 patent.
 16 And as Your Honor may recall, this is the patent that
 17 relates to the method of manufacturing test strips. And
 18 there are a few key concepts relating to manufacturing
 19 described in this patent that are relevant to the parties'
 20 disputes for the next few terms. So what I would like to do
 21 is briefly go over these concepts before jumping into the
 22 disputed terms.
 23 So what's shown here is figure 8A from the '849
 24 patent, and what it is showing here is the concept of a web.
 25 And you can see the web, it's the thin line shown here in

1 the direction of the arrows, and it passes through these two
2 rollers kind of through this apparatus. A "web" is a
3 continuous elongated strip of flexible material. In this
4 particular case, this is the web of the base substrate
5 material which electrodes formed upon them.

6 As you can see, there's this apparatus in this
7 upper left corner which is depositing the reagent stripe.
8 What's happening is the web is moving underneath that
9 apparatus as it gets rolled through these two rollers and it
10 is applying this long continuous stripe of reagent material
11 and getting stripes.

12 If we look at that portion of the web you get
13 figure 8, which we've been talking about, and, again,
14 connecting to some of the concepts we've been talking about
15 before. The result of this procedure is a long reagent
16 stripe that covers multiple sets of electrodes. And figure
17 8 shows five sets of electrodes, these are going to be
18 eventually split into individual test strip components. And
19 what is important to see here is this reagent doing this
20 long continuous stripe is going to cover each of those
21 electrodes.

22 And as we discussed before earlier this is -- by
23 applying this reagent in this manner before the spacing
24 layer is applied, this is what prevents the meniscus effect,
25 the meniscus issue in the prior art.

1 And then what's shown here are the next several
2 steps where -- starting from where we left off -- additional
3 layers of material are applied on top eventually being cut
4 in figure 14 to form individual test strips. And one
5 important thing to note is while these figures show the
6 application of layers one at a time, the specification is
7 also very clear that you can have two or more basic
8 components, such as these layers, be applied simultaneously.

9 All right. With that, let's jump into the next
10 term which is "the two edges." The term "the two edges"
11 appears in two independent claims of the '849 patent, Claim
12 18 and Claim 27. And the issue before the Court is whether
13 Trividia has met its burden to prove by clear and convincing
14 evidence that the term "the two edges" is indefinite.

15 Trividia's argument essentially boils down to
16 this: Its contention that the claim does not previously
17 recite explicitly any edges and, therefore, when we get to
18 the term "the two edges," the claim lacks antecedent basis
19 and, therefore, is evident.

20 Trividia is incorrect and has not met its burden
21 for two primary reasons we're going to discuss. First, the
22 law is very clear that no explicit antecedent basis is
23 required so long as a skilled artisan reading the claim
24 terms in view of the specification can ascertain the meaning
25 of reasonable certainty. And we think the claim language of

1 the claim and every embodiment in the specification spell
2 preciously whether the two edge refer -- that refer to the
3 two side edges of the test strip where the reagent extends
4 across the full width.

5 I don't believe Trividia actually disputes that;
6 I don't think Trividia disputes that every embodiment, every
7 single one shows a reagent layer that extends across the
8 full width of the test strip to the two side edges. Instead
9 what Trividia tries to do is to try to create some ambiguity
10 by pointing to a number of different references to edges
11 throughout the specification, but -- and this is the second
12 point: Every example that Trividia points to is not a
13 plausible interpretation because they will not comport with
14 the claim language; they actually contradict the claim
15 limitations. So none of Trividia's examples takeaway from
16 the reasonable certainty of this claim term.

17 So as a starting point, the well-settled law is
18 that the lack of antecedent basis does not render a claim
19 indefinite so long as the scope of the claim can be
20 reasonable ascertainable by those skilled in the art. And
21 the proper framework to determine that is to read the claims
22 in light of the specification, that's the Supreme Court's
23 description in *Nautilus*. And the corollary to that is -- as
24 the Federal Circuit recognized, the claim language standing
25 along is not the correct standard of law in order to

1 determine reasonable certainty. And so the question is:
2 What do the claims say in view of the specification?

3 To circle back real quick on figure 8, which
4 we've been showing multiple times now, figure 8 and its
5 corresponding description where it says: The most
6 corresponding embodiment the reagent layer extends to full
7 width of the test strip shows that -- shows that the reagent
8 layer extends across multiple test strips in the web, and
9 it's going to extent to each of the edges, the side edges
10 when the test strips are formed. And this is exactly what's
11 claimed.

12 So if we go to Claim 18, this is a
13 representative independent claim in which "the two edges"
14 term appears. You can see the term is highlighted, it's in
15 the element that we've labeled "G." And we've included in
16 our slides a full walkthrough of Claim 18 with all the
17 corresponding claim elements with the specification
18 descriptions and figures, and we think it's helpful to go
19 through that to see how the claim specification give
20 reasonable certainty to the term, and those are in the
21 packet that we will leave with the Court. But for purposes
22 of this presentation, we're going to focus on two key
23 elements: Element C and element G.

24 Element C is the step of applying the continuous
25 stripe of reagent material through the web, such that the

1 continuous stripe covers each of the set of plurality of
2 sets of measuring electrodes. We can see that in this
3 figure, the reagent covers each set of electrodes in the
4 web.

5 And then when we get to element G, element G
6 describes -- and we're going to skip a few steps. But
7 element G describes is a web of test strips as a result of
8 the prior steps A-F. And we see what that looks like in
9 figure 13, figure 13 shows the point of this process where
10 you have a web of test strips and there's dash lines 264
11 that the patent describes, that's where the web will be cut
12 to form the individual test strips.

13 And so going back to Claim 18, element G, it
14 says that each of the test strips in that --

15 (Reporter clarification.)

16 -- one of which is the term in dispute where the
17 reagent layer extends under the spacing layer to the two
18 side edges of the base substrate.

19 When we're looking at figure 13, we're looking
20 at the spacing layer. The spacing layer has now been
21 applied, so you can't see the reagent. But if we look
22 underneath -- and we go back to figure 8 and we super impose
23 the dash lines -- you can see very clearly where the edges
24 of the test strip will be formed and how the reagent layer
25 is going to extend from side edge to side edge.

1 And as you mentioned, the specification says "in
2 the most preferred embodiment, the reagent layer extends the
3 full width of the test strip," and that's exactly what's
4 being claimed here.

5 And then lastly, the web is cut along those dash
6 lines that we've talked about to form those two edges.

7 So we think if we walk through the claim, with
8 the specification in mind, it's very clear that the two
9 edges in element G refers to the two edges shown here, the
10 two side edges of the test strip; that's shown in every
11 single embodiment of the specification which is -- informs
12 the meaning of this term.

13 Now, I'd like to turn to Trividia's argument.

14 So as I mentioned before, Trividia does not dispute that the
15 two edges that we just showed does -- can reasonably refer
16 to those two side edges that we showed, that's not a
17 dispute. Trividia to manufacture some ambiguity by pointing
18 to other edges that are referenced throughout the
19 specification. The issue is none of these edges that
20 Trividia points to are plausible interpretations because
21 they would actually contradict the web limitation.

22 So let's go to each one. So first they talk
23 about something called "web edges," and highlighted here in
24 figure 7 in red what those web edges are. And these web
25 edges cannot be what's referenced by the claim as the "two

1 edges" for at least two reasons. First starting from the
2 left-hand side, you can see how the reagent layer, which is
3 extending across -- and we colored in orange -- does not
4 extend to the web edges, which is required by element G.

5 On the other hand, if you try to flip the
6 reagent so that it does extend to those two side edges, now
7 it doesn't meet element C, because element C requires the
8 continuous stripe reagent to cover each of the sets of
9 electrodes. So no matter how you flip or spin the -- spin
10 it, it doesn't comport with the claims and cannot be a
11 plausible interpretation of the two edges.

12 Trividia also refers to the dosing edges, and we
13 have exerted here from the joint claim construction brief a
14 section from Trividia's argument at page 42 where they point
15 to a portion of the specification where they say: The
16 reagent layer extends to the both -- to both side edges and
17 the dosing edges, plural, of the test strip. And based on
18 this, they conclude that the specification explains that the
19 reagent layer makes acceptable either of the side edges or
20 the end edges, plural again, of the base substrate.

21 The problem is that that's not what the patent
22 says. So we have on the bottom what the patent does say, it
23 says: "Both side edges and a dosing edge," singular. The
24 only pair of edges is the side edges that we're talking
25 about, which we believe is what the two edges refer to; that

1 single dosing edge is not a pair of edges. We know that the
2 claim says that "the two edges," so it's not reasonably --
3 it's not a reasonable interpretation to say that the two
4 edges can be satisfied by a single dosing edge.

5 And even if you were to try to combine a dosing
6 edge with another edge, such as the side edge or a bottom
7 web edge, again, it doesn't comport with the claim because
8 reagent layer having to be a continuous stripe that covers
9 each of the electrodes that limitation would not be made if
10 you were to change the orientation of the reagent stripe to
11 cover those two edges.

12 So in sum, based on the plain language of the
13 claims, as we walked through, in view of the specification,
14 the two edges is reasonably ascertainable to mean the two
15 side edges that's show here.

16 And unless Your Honor has any questions, I'll
17 pause here.

18 THE COURT: I don't have any questions. I
19 understand your argument.

20 MR. FINN: Good afternoon, Your Honor, Herbert
21 Finn on behalf of Trividia.

22 THE COURT: All right.

23 MR. FINN: Before we go into what the claims
24 require and why we think it's indefinite, I want to remind
25 the Court what the purpose of indefiniteness is. The

1 purpose of indefiniteness is to put the POSITA, the person
2 of ordinary skill in the art, on notice of what the claims
3 require. And if there's ambiguities in the claims, then the
4 terms are indefinite; that was under *Nautilus*, Supreme Court
5 case, as you see at the bottom there "a patent must be
6 precise enough to afford clear notice of what is claimed..."
7 basically we're telling people what causes infringement and
8 what doesn't.

9 Now, it's Trividia's position that the use of
10 "two edges" in Claims 18 and 27 is indefinite because, as
11 Mr. Wang repeatedly said, there are a number of edges in
12 those claims for which the reagent can go towards.

13 In Claims 18 and 27, each claim has one instance
14 of the two edges, but neither of those instances have any
15 antecedent basis. Yes, we'll agree with that a lack of
16 antecedent basis is correctable, but in this case the
17 ambiguity remains.

18 Now, the claims recite that the reagent layers
19 extend under a spacing layer to the two edges of the base
20 substrate. Now, on the base substrate there are the side
21 edges and a dosing edge. Everyone is in agreement on that.
22 There are other edges too, there's the meter insertion edge
23 at the other end, and throughout the patent you'll see
24 reference to other edges on other components, but for the
25 base substrate there are those four edges, basically: The

1 dosing edges, the two side edges and the meter insertion
2 edge.

3 Roche would have you believe that the two test
4 strip sides are equal to the base substrate side edges.
5 They are not. Claims 18 and 27 require that the reagent
6 extend to two edges, but don't tell you which two. And, in
7 fact, you could see Claim 1 doesn't help because Claim 1
8 talks about first and second side edges, a sample receiving
9 end, a meter insertion end; those are what we are
10 discussing. There are web edges that are different than
11 test strips, first and second sides. So none of that helps
12 define the edges that are identified in Claims 18 and 27.

13 The specification identifies a number of
14 different edges as well. You could see at column 3:24-32 it
15 says: A first and second reagent layer side edges aligned
16 with the sides of the test strip. It means they are not
17 equal to, they are aligned with them; it doesn't necessarily
18 go all the way there, they go towards them.

19 THE COURT: So how do you respond to Roche's
20 argument that understanding the direction in which the
21 reagent layer extends relative to the sets of measuring
22 electrodes, and, therefore, the base substrate, a POSA would
23 be able to determine which two edges the reagent layer
24 extends towards?

25 MR. FINN: Well, it's not necessarily that you

1 can guess your way to it. There are at least three edges
2 that you could worry about. We need to know which two you
3 need to cover to infringement. Is it the two side edges?
4 Is it a side edge and a dosing edge? Is it a side edge and
5 a dosing edge when a dosing edge can also be on a side; the
6 patent describes embodiments where a dosing edge is on the
7 side of a test strip, not just at the top. So a POSITA
8 would have to guess and the public would have to guess which
9 of those edges -- two of these three edges that you'd have
10 to cover to infringement.

11 THE COURT: All right.

12 MR. FINN: And just for clarity, there's no
13 requirement in any of the claims as to what the test strip
14 looks like or how the reagent is configured, placed on base
15 substrate. It can be in the shape -- even though it's a
16 continuous strip, you can make a continuous strip that's not
17 necessarily one parallel line, it can be continuous and
18 perhaps in a way that still catches the edges that you're
19 concerned about; whatever those edges may be.

20 THE COURT: All right.

21 MR. FINN: Unless you have anything further,
22 Your Honor...

23 THE COURT: No, I understand your argument.

24 MR. WANG: Your Honor, may I respond briefly
25 before moving on to the next term?

1 THE COURT: Yes.

2 MR. WANG: Thank you.

3 So counsel for Trividia has -- one of his
4 arguments was that there's at least three edges that someone
5 has to worry about to figure out whether they infringe or
6 not, but -- and would have to be left to guess. That's not
7 correct because every time the specification mentions "two
8 edges" or "a pair of edges" or "the two edges," it's always,
9 every single time, the two side edges of the base substrate.
10 And remember the proper inquiry to determine whether the
11 claim term is reasonably ascertainable is you have to read
12 the claim term in view of the specification. And when you
13 do that, there is enough certainty, certainly reasonable
14 certainty for a skilled artisan to understand what those two
15 edges refer to, "the two side edges."

16 And counsel for Trividia also says there's not a
17 claim that requires any shape or structure, that's also not
18 true. As shown here, there's plenty of structure. Right.
19 There's a web of base substrate material, a skilled artisan
20 knows a structure or the shape of a web, so web of test
21 strips -- the test strip also has a very specific structure
22 known to a skilled artisan, especially if we read the
23 terms, as we should, in view of the specification, so the
24 structure and orientation that Trividia's counsel says is
25 missing is actually right there in the claims in view of the

1 specification.

2 So unless Your Honor has more questions on that
3 term, I'm happy to move on to the next term and dispute.

4 THE COURT: I don't have any more questions.

5 MR. WANG: All right. So the next term is the
6 "web of capillary-defining material." And as with the prior
7 term, Trividia contends that this term lacks -- is
8 indefinite for lack of antecedent basis. And I think
9 Trividia is simply wrong here, there's a very clear
10 antecedent basis directly in the claim language and Trividia
11 isn't able to show otherwise.

12 So if we go to the claim language, so the
13 disputed term is in element E, and it says: "Laminating the
14 web of capillary-defining material." Right here. And
15 immediately prior -- the step that comes right before is
16 "providing a web-covering material defining the base
17 substrate material a series of capillary channels," that is
18 a "web of capillary-defining material."

19 In fact, this term in E is just shorthand for
20 saying what this longer phrase is, but it has a very clear
21 reference and clear antecedent basis. And even though they
22 are not the same terms, we know that's not a requirement
23 from the case law. We had two examples in our briefing
24 *Energizer Holdings and Simpson Strong-Tie*. In both cases,
25 the Federal Circuit found that sufficient antecedent basis

1 that didn't use the exact same words as the attorneys used.

2 For example, in *Energizer Holdings*, the term at
3 issue was "said zinc anode." A sufficient antecedent basis,
4 which is the longer term "anode gel comprised of zinc as the
5 active anode component."

6 Similar in *Simpson Strong-Tie*, the issue was
7 "structural component," and the Federal Circuit found
8 antecedent basis in a structure called the "joist." They
9 are not even the same words.

10 Here we have the "web capillary-defining
11 material," and that should find a sufficient antecedent in
12 the prior term "a web of covering material defining with the
13 base substrate material a series of capillary channels."

14 So turning to Trividia's arguments, they make
15 two essential arguments that we'll address. So first
16 Trividia, again, tries to introduce certain ambiguity by
17 saying that "the web of covering material" includes the base
18 substrate material, while the "web of capillary-defining
19 material" does not include the base substrate material; and,
20 therefore, they cannot be referencing or they can't be
21 equivalent structures. That's wrong and we'll get to that
22 in one second.

23 The second argument, just to cover both, is
24 the -- they argue that the specification describes the
25 spacing layer as defined the capillaries, not the covering

1 layer. So they are wrong on both counts.

2 So if we go back to Claim 27, element D says "a
3 web of covering material defining with the base substrate
4 material, a series of capillary channels." It does not say
5 "a web of covering material including the base substrate
6 material." This element, step D, the covering material has
7 not yet been combined with the base substrate material, that
8 happens in the next step in element D.

9 The reference to the base substrate material i
10 element D is simply to say that the covering material, the
11 web of covering material will define with the base substrate
12 material, the capillary channels. We see that in figure 10
13 of the specification. Shown here in figure 10, we colored
14 the covering layer in green, the specification calls this
15 the spacing layer, but that corresponds with the covering
16 layer, because as you can see they include these things
17 called "die-cut precapillaries --" so these are the
18 channels, part of the channels are going to be formed. And
19 it is not yet combined or laminated with the web of base
20 substrate. It's not yet included, but it will define, when
21 combined with the base substrate material, a series of
22 capillary channels; in other words, this is a web of
23 capillary-defining material as claimed.

24 which brings us to the second argument that
25 Trividia makes is that well, the specification calls this

1 green layer a spacing layer and not a covering layer,
2 therefore that cannot be the same thing. But we also know
3 that claims don't have to use same exact terms to describe
4 the same structures in the specification. And if you look
5 at the structures we just talked about, this spacing layer,
6 this green layer, 196, in fact covers the base substrate
7 material, including the reagent and the electrodes. It is,
8 in other words, literally a covering material. And it does
9 define with the base substrate capillary -- a series of
10 capillary channels.

11 So to sum up, we think the "web of
12 capillary-defining material has a very clear antecedent
13 basis is directly in the claim limitation and is therefore
14 not indefinite.

15 Unless Your Honor has any questions, I'll
16 conclude there.

17 THE COURT: All right. I understand your
18 argument.

19 MR. WANG: Thank you, Your Honor.

20 MR. FINN: Thank you, Your Honor. You've heard
21 that Trividia believes the term "web of capillary-defining
22 material" is indefinite and is lacking antecedent basis. We
23 obviously disagree with Roche that there is an antecedent
24 basis, we don't believe there is one. You'll note that the
25 term "web of capillary-defining material" is only used once.

1 It's used in Claim 27. You won't find it in the
 2 specification anywhere. You won't find it any in other
 3 claim. You won't find any basis for describing it.
 4 In fact, counsel just told you that all other
 5 instances of defining or creating capillaries has to do with
 6 the spacer layer. That's what's in the entire specification
 7 is that the spacing layer or spacer layer defines the
 8 capillaries. Now in Claim 27 out of nowhere we get "a web
 9 of capillary-defining material."

10 Now, counsel just ended saying that the claims
 11 don't have to be construed the same. Spacing layer can be
 12 called something else in a different claim, I think that's
 13 what he's insinuating. But they could be construed
 14 consistently across themselves. You don't suddenly say
 15 "spacing layer" for 26 claims and then in 27 call a
 16 "covering layer" the spacing layer. You just don't do that
 17 for purposes of construction.

18 And as we've seen in Claim 27, it's a
 19 combination of covering material and substrate material that
 20 forms the capillaries, not spacing material as you've seen
 21 in the specification and all the other claims.

22 The last two claims that we've looked at -- at
 23 least from Trividia's point of view -- is because they lack
 24 antecedent basis at the very least. If the Court were to
 25 determine that they are not indefinite, we would ask the

1 Court to fix the antecedent basis problem, because, as we've
 2 started out, indefiniteness is a notice to provide clarity
 3 as to what the claims require. At least in rendering a
 4 construction, the Court should correct what the two terms
 5 that we've pointed out lacking antecedent basis -- one of
 6 which Roche agrees with, "the two edges" -- what a proper
 7 antecedent basis for those terms would be.

8 If the Court has any other questions, I'll
 9 certainly entertain them.

10 THE COURT: No, I don't have any other
 11 questions.

12 I have a follow-up question for Roche.

13 MR. WANG: Your Honor, may I put in just a very
 14 short reply?

15 THE COURT: Yeah. And I have a question for
 16 you.

17 MR. WANG: I'm sorry, I didn't hear, Your Honor.
 18 Go ahead.

19 THE COURT: Okay. How do you respond to
 20 Trividia's argument that if claim terms use different words,
 21 they should be construed differently? And if you have a --
 22 if the claims talk about "spacing layer" in Claims 1-26,
 23 then you can't just suddenly in Claim 27 say "covering
 24 layer" and define that to be the same as "spacing layer?"

25 MR. WANG: Yes, Your Honor. So the reason

1 why -- you know, counsel for Trividia says there's something
 2 wrong with that, but we disagree. There would be a issue if
 3 Claim 27 also recited explicitly a "spacing layer" when
 4 we're trying to construe those terms differently or an
 5 independent claim. Different independent claims can call
 6 different terms -- describe similar structures using
 7 different terms. We cited a Federal Circuit case in our
 8 brief *Hormone Research Foundation v. GENENTECH* which stands
 9 for that proposition.

10 So there is actually nothing legally incorrect,
 11 much less a reason for finding indefiniteness where another
 12 independent claim term talks about a structure using
 13 different language. AND as I mentioned before, "spacing
 14 layer" is not explicitly recited in claim 27, so there's no
 15 internal contradiction.

16 And relatedly what counsel for Trividia was
 17 saying -- was arguing was that a skilled artisan wouldn't
 18 be able to tell whether they infringed capillary-defining
 19 material, but the structure is there. If a web of covering
 20 material defining the base substrate material, a series of
 21 capillary channels, all the structural limitations are
 22 there, there's no uncertainty or anything that would render
 23 the claim indefinite.

24 THE COURT: Okay. I understand.

25 MR. WANG: Okay. Thank you, Your Honor.

1 THE COURT: All right. Term 7.

2 MR. KHAN: Thank you, Your Honor.

3 Term 7 -- I'll try to make this quick --

4 basically Trividia's argument is that for each of the method
 5 claims in the '849 patent the lettering and/or for other
 6 reasons the steps must be found to be required to be
 7 performed in exactly the order performed in the claim.

8 We, for this purpose, are saying that no such
 9 order should be required, that they should be given plain
 10 and ordinary meaning.

11 On this, Your Honor --

12 THE COURT: But you recognize, in your briefing
 13 you said even if the Court finds that some may be required
 14 to be performed in order, you say it wouldn't be all.

15 MR. KHAN: Correct.

16 THE COURT: But in reaching the different steps,
 17 doesn't it sort of naturally appear that some of those steps
 18 have to be performed in a certain order?

19 MR. KHAN: Your Honor, let me take it this way.
 20 So Trividia is arguing to you, I think, essentially it's all
 21 or none. So they haven't presented to you some -- in the
 22 briefing, at least, some intermediate argument saying okay,
 23 if it's not in all order it must be B and C are in order or
 24 D and E are in order; they haven't presented that to you or
 25 explained to you why that should be the case, right, so they

1 are basically saying it's all or none.
 2 We've suggested in an alternative mode to say we
 3 think that no order should be required in steps whatsoever,
 4 but to some extent that some of the steps the Court were to
 5 find are required to be in order, it can't be all. And I'm
 6 going to show you some examples of the steps that absolutely
 7 can't be found to be ordered because it's very clear from
 8 the claim language in the specification that those claim --
 9 that those steps actually can be performed out of order, the
 10 specification contemplates it can be performed out of order.

11 So we start, Your Honor, from the basic
 12 proposition that the Federal Circuit is crystal clear that
 13 unless the steps of the method claim actually requires,
 14 through the claim language itself, that there be an order
 15 that there is no such order and none will be construed.

16 And there's even a case, Your Honor, where the
 17 claim had letter and numbers in front of it, so the claim
 18 steps had numbering and lettering to indicate what -- as a
 19 referential tool, Your Honor, the -- each of the steps. And
 20 in that case -- this is the *Gleizer* case. Essentially the
 21 Federal Circuit said no, what was denoted as step B does not
 22 have to come before step D. And that sort of accords, Your
 23 Honor, generally with the notion that, you know, that the
 24 letters and numbers that are associated with the steps, you
 25 know, those are reverential in nature, there's a need for

1 ease of reference they don't necessarily connote an order.

2 They cite one case, the *Amgen* case, and the
 3 *Amgen* case actually just affirms the basic principle that
 4 the Federal Circuit has told us again and again that there's
 5 not going to be an ordering required unless -- and here's
 6 the language -- "the claim language logically requires that
 7 the process steps be performed in sequence." So the *Amgen*
 8 case is not on point with respect to -- or doesn't displace
 9 the ordinary Federal Circuit guidance that the steps don't
 10 have to be performed in order.

11 Here, Your Honor, we -- not only is there sort
 12 of no necessary ordering in the claims itself, the
 13 specification tells you the opposite. The specification
 14 literally says the test strip may be assembled sequentially
 15 by successfully laying down one layer at a time -- that's
 16 Trividia's position, the test strip has to be built one
 17 layer at a time in succession of the steps to be performed
 18 in an order.

19 Then it says: Alternatively, the test strip can
 20 be prepared by assembling and processing individual
 21 components or layers, which are then laminated together. In
 22 one preferred embodiment form two or more components are
 23 performed simultaneously. So the specification is actually
 24 teaching exactly the opposite of what Trividia's proposal
 25 is; the specification is expressly teaching that you don't

1 require ordering, that they can be performed out of order,
 2 and that they can also be performed simultaneously.

3 This, Your Honor, is Figure 2, which we've seen
 4 before, and it has all of the layers in this particular
 5 embodiment stacked up, and the -- if you just look at this
 6 structure, there's no necessary requirement that I can't
 7 build the top assembly, all of the spacing layer and all of
 8 the other layers above it first, and then make the bottom
 9 layer with the base substrate and the reagent layer and then
 10 put them together. There's nothing in the specification,
 11 nothing that requires a contrary result.

12 And if we look at the claims now, here's
 13 claim -- representative Claim 18, in Claim 18 there's two
 14 steps, what we'll call element E and element F. And element
 15 E just says laminating the web of spacing material to the
 16 base substrate; and then element F says laminating a web of
 17 covering material to the spacing material. And as we saw
 18 the laminating just means sticking together or placing
 19 together. And so what this is saying is put the spacing
 20 material with the base substrate material, put the covering
 21 material with the spacing material, but those can be
 22 performed out of order. You can put the covering material
 23 with the spacing material first and then you can put the
 24 spacing material with the base substrate material, it's --
 25 the claim doesn't require you to do one or the other first.

1 Another example, Your Honor, is in Claim 1,
 2 steps D and E; in this example, we have laminating the web
 3 of spacing material on top of the base substrate, and then
 4 aligning and laminating a web of covering material over the
 5 base substrate. So here laminating is just another --
 6 synonymous with placing together or gluing together. And so
 7 this is saying put the spacing material on top of the base
 8 substrate, align and put the covering material over the base
 9 substrate, and those can be performed simultaneously. They
 10 can happen at the same time. You have three layers that are
 11 aligned, you can put them all together at the same time,
 12 that's what the specification was talking about when it said
 13 you could do these steps in order -- simultaneously.

14 And so the Trividia brief has an argument that
 15 says well, you can't do what I just said because the -- and
 16 this is -- up top here, Your Honor, we have Trividia's brief
 17 and they say well, no, the latter step, step E, requires
 18 aligning and then laminating a web of covering material on
 19 top of a laminated base substrate. But that's not what the
 20 claim says, the claim doesn't say you have to have a
 21 laminated base substrate, it just says you need a base
 22 substrate. So the base substrate is not required for the
 23 base substrate to have been previously laminated to anything
 24 else. So those two steps can happen simultaneously in the
 25 claims as written and only if you add the word "laminated"

1 potentially Trividia has an argument that they should be
2 performed in order.

3 Here's another couple of examples. So Claim 18
4 says "providing a web of base substrate material," and it
5 says "providing a web of spacing material," and there's
6 nothing that says you can't do those out of order; you can
7 provide base material first and the covering material
8 second. The specification tells you, tells us all that the
9 base substrate is actually -- is a roll and the spacing
10 material is also a roll and so you can just provide the base
11 substrate to the machine in any order and you can provide
12 the spacing material to the machine in any order, and you
13 can provide them simultaneously. You can provide the base
14 material first, the spacing material first in any order
15 you'd like.

16 So overall, Your Honor, the claim language does
17 not require ordering. The Federal Circuit is clear that
18 ordering is not required. And here you've got the
19 specification teaching directly in contrary to ordering in
20 the claims.

21 THE COURT: Okay.

22 MR. KHAN: Thank you, Your Honor.

23 MS. SAND: Your Honor, I wanted to start out by
24 correcting one point: Roche said that we're taking the
25 position that this is an all or nothing, either every single

1 step needs to be in order or none of them. That's not quite
2 our position. We do believe that the claim language how
3 it's written that our position is all the steps should be in
4 order. However, if the Court disagrees with it, and just
5 thinks some steps should be performed in order, we'd ask
6 that the Court at least construe this term to identify what
7 steps need to be performed in order and which ones don't.

8 THE COURT: Well, actually I'd like to hear from
9 the parties as to what you think if I found that some of
10 them had to be performed in order, what those are and which
11 ones don't need to be performed in order.

12 MS. SAND: So our view is that all of these
13 should be performed in order just as a matter of logic.

14 THE COURT: That's what I have in front of me
15 right now, that's what you said.

16 MS. SAND: Yes. So we agree with what Roche
17 said in its brief, which is the claim steps require an order
18 where the specific claim language necessarily requires it.
19 For example, one must provide a web of base substrate before
20 one can laminate certain material to the base substrate.
21 Why? Because the latter steps require these antecedent
22 structures.

23 So I think we're all in agreement on that point
24 that where you have these terms -- where you have these
25 steps that are referring to an earlier antecedent structure,

1 those are ones that should be performed in order.

2 So when you look at that, we think that at least
3 steps A through C need to be performed in order. In step
4 A you're providing a base substrate, step B involving
5 performing electrode on that web, that's done using lasers,
6 that's not going to be done at the same time as step C, for
7 example, where you're applying a stripe of reagent material;
8 that has to come after the electrodes are formed because it
9 requires covering at least one electrode of the electrode
10 step with the stripe of reagent material. So this is just
11 based on these antecedent structures, and we think the claim
12 language is pretty clear on that point as to whether these
13 steps should be performed in order.

14 Then we also think under this same logic that at
15 least the cutting and separating steps -- I don't think this
16 is particularly controversial -- they need to be performed
17 last. They involve cutting the test strips out of the
18 material, they involve separating, we have that fully
19 laminated structure, that fully put together structure and
20 we're taking and cutting and separating out the test strips.

21 So that leaves was these laminating steps --
22 I'll say for shorthand -- aligning and laminating. And
23 those are -- we still believe should be performed in order.
24 They are not quite as clear cut as the other steps of these
25 processes. But we do think, for example, in Claim 1, the

1 point that really sticks out to us is we don't think that
2 steps 1D and 1E are performed simultaneously. Step E has
3 some pretty specific language, it talks about aligning and
4 then laminating a web of covering material over a base
5 substrate. That's not going to be performed as the exact
6 same time as the step below it -- before it.

7 Claim 18 --

8 THE COURT: Well, why couldn't they be performed
9 simultaneously?

10 MS. SAND: So aligning and laminating, I think,
11 are two different things here. So if we have a laminating
12 step, laminating a web spacing material, and then we're
13 aligning a material over the base substrate and then
14 laminating, that's just a sequential step in our minds.
15 It's not going to be done at the same time, it's two
16 separate steps effectively.

17 THE COURT: All right.

18 MS. SAND: And then for 18, we have here this
19 providing a web of space material, laminating a web of space
20 material and laminating a web of covering material. What's
21 a little interesting here is it talks about providing a web
22 of spacing material, it doesn't talk about providing a web
23 of covering material, so we think there's some distinction
24 here between providing that web and laminating that web.

25 First, you put it onto a reel, then you laminate

1 it to a base substrate material. And then after that you
 2 have that web of covering material that goes on a spacing
 3 material, and that's going to cover each one of those
 4 capillary channels. And the important thing about those
 5 capillary channels is in step B it talks about how those
 6 capillary channels are partially overlaying a set of
 7 electrodes, and that goes all the way back to those earlier
 8 steps where we're performing those electrode on the base
 9 substrate. So, again, just as a matter of logic in the
 10 claim language, we just think it makes sense to have the
 11 steps performed in order.

12 Then the same logic applies to Claim 27 here, we
 13 have providing a web of covering material, and then,
 14 obviously, we believe that the web of capillary-defining
 15 material no antecedent basis there, but we do think that
 16 "providing" is an distinctive step from "laminating," and
 17 it's not necessarily done at the same time.

18 THE COURT: All right. With that, do you have
 19 anything else?

20 MS. SAND: No.

21 THE COURT: All right. I want to hear from
 22 Roche on some follow-up on this reply.

23 MR. WANG: Yes, Your Honor. So as presented in
 24 the briefing, it did -- we read it as basically all or none,
 25 and I think we heard it a little differently today.

1 THE COURT: Yeah, well even if the Court
 2 agreed -- well, even if the Court found that -- because
 3 whatever they argued, the Court could read the language and
 4 logically decide that, you know, yeah, but some have to be
 5 performed in order, but not all. And then if I leave it at
 6 that then I'm just kicking the can down the road because
 7 somebody is going to say that we disagree about the order of
 8 the sum, and so I -- you know, I think I -- what I would
 9 like to have is just some limited supplemental briefing on
 10 this issue as to if the Court found that some or not all the
 11 steps must be performed in order, which steps must be
 12 performed in order.

13 MR. KHAN: Happy to provide the briefing, Your
 14 Honor. And then with the Court's guidance, we'll focus on
 15 the terms that they argued today.

16 THE COURT: Okay.

17 MR. KHAN: Right. Because -- that are
 18 necessarily performed in order, and if the -- is that what
 19 the Court had in mind?

20 THE COURT: Yeah. And with respect to that,
 21 let's keep the briefing limited to 10 pages or less, both
 22 sides.

23 MR. KHAN: Thank you, Your Honor. That makes
 24 great sense.

25 I think at this point we're going to move on

1 and --

2 THE COURT: Let's have -- let's put a schedule
 3 in for that. Let's have Roche's supplemental brief due
 4 within seven days from today; Trividia's answering brief due
 5 seven days thereafter.

6 MR. KHAN: Thank you, Your Honor, for the
 7 guidance.

8 I think because we're going to move on to
 9 Trividia's patent now, I'm going to turn the floor over to
 10 Trividia counsel.

11 Your Honor, one clarification on the briefing on
 12 the order of steps, if you don't mind. Does it make sense
 13 for them to go first because, you know, if we're talking
 14 about which steps to be performed in order.

15 THE COURT: It was their argument, yeah, we'll
 16 make Trividia -- your brief due within seven days of today
 17 and then Roche's answering brief seven days thereafter.

18 MR. KHAN: Thank you for the clarification, Your
 19 Honor.

20 MR. FINN: Thank you, Your Honor. We'll now
 21 turn to U.S. Patent number 8,128,981, referred to as "'981
 22 patent" owned by Trividia.

23 As we've been talking during this whole hearing,
 24 this patent relates to test strip biosensors, as it's
 25 referred to here, and a method of manufacture. It was filed

1 in 2007 and issued in 2012.

2 The patent, the '981 patent attempts to address
 3 the same problems we've been discussing the last couple of
 4 hours, namely as the sample sizes that are being tested on
 5 the strips get smaller and smaller in volume, how do you
 6 create and manufacture a test strip that remains accurate
 7 and you do it efficiently and cost effectively. We're using
 8 the same types of processing techniques, one focused in
 9 particular is laser ablation.

10 Claim 1 of the '981 patent is the sample claim
 11 where it talks about using multiple sources, multiple
 12 processing sources, multiple lasers to achieve efficiency
 13 and accuracy. In Claim 1 there are three separate
 14 processing sources, so there's three separate lasers working
 15 in the method, two of which move.

16 Your Honor, we had actually briefed what we're
 17 referring to as "movements terms" as two separate terms.
 18 The parties in the letter that you received either last
 19 night or this morning agreed to do a construction together
 20 as to the similarities of those two terms, because they are
 21 -- one term is a movement of a first or second processing
 22 source and the other term is laser beam moved relative to a
 23 conductive layer along the first/second Kerf, and the terms
 24 seemed to focus mostly on movement. And the constructions
 25 proposed by both parties are frankly identical. Trividia is

1 proposing a plain and ordinary meaning for both and Roche is
2 proposing some limitations that we'll walk through in a
3 minute.

4 It's Trividia's position that plain and ordinary
5 meaning is all you would need to construe here. As this
6 court started this hearing a number of hours ago asked the
7 parties a question with respect to the sample-receiving
8 chamber and the other patents that why are we construing it,
9 aren't these words simple enough that a jury could easily
10 understand them.

11 THE COURT: Yeah, but in this instance, Roche is
12 arguing that, yeah, it would be plain and ordinary meaning,
13 but for the disclaimer that Trividia used to get past the
14 rejection.

15 MR. FINN: We don't believe there's a
16 disclaimer, Your Honor. And Roche's own expert, who they've
17 used in support of this, has found a plain and ordinary
18 meaning for these terms and used them in submitting a
19 declaration to the Patent Office just two months ago. Now
20 they are coming here and saying there's a whole different
21 interpretation, there's a whole different construction for
22 these terms.

23 I'll just jump to what the Court raised on the
24 disclaimer issue. It's our position that we did not engage
25 in a disclaimer practice; it's not clear and unequivocal

1 that we gave up scope. What is referred to there is a piece
2 of prior art in the prosecution history, the reference is
3 referred to as "Groll." And the Examiner cited Groll as
4 "using a broad field laser or a wide laser, together with a
5 mask."

6 And Trividia argued around it, noting that the
7 combination of a broad field laser and a mask were
8 stationary. Amended the claims. Here you see the
9 prosecution history where the primary disclosure of Groll is
10 described as using a single pass laser to create all the
11 structures. Groll does not expressly state forming three
12 individual elements in three separate steps.

13 In our patent, in the Trividia patent, we have
14 three processing sources that require movement -- excuse me,
15 two of which require movement, the third could be
16 stationary.

17 And you see at the time the Examiner says that
18 we've amended the claims to use two different focused laser
19 beams, and because a broad field laser uses no moving parts
20 during ablation there's a difference. So it didn't focus
21 just on excluding broad laser beams or broad laser beams
22 with a mask, it focused more on the number of processing
23 sources, which is not just the laser, Your Honor, it's the
24 laser and perhaps a lens, something that is used in
25 conjunction with the laser. So it focused on a -- the

1 number of processing sources and movement. It didn't limit
2 it or avoid a combination of a broad field laser, which is
3 nowhere in the specification, nowhere in the claims, the
4 term is not used with a mask.

5 THE COURT: So you're saying if a broad field
6 laser that is moving would not be something that's
7 disclaimed?

8 MR. FINN: That's correct, Your Honor. And you
9 can have -- frankly, you can find movement because what
10 Roche is proposing is that a broad field laser passes
11 through a mask, right, but movement.

12 I can come up with a broad field laser that
13 moves -- that has a mask where the laser moves if you put
14 perhaps a lens and then you tilt the lens, that would be
15 moving the laser.

16 In the first construction, moving the parts of
17 the processing source, that would be moving a part of the
18 processing source; the processing source would be the laser,
19 the mask and the lens. You tilt the lens and you direct the
20 laser down the web, that would be movement. You could
21 tilt -- you can tilt the entire operation, keep everything
22 in place, but put it on a tilt and let the laser beam work
23 its way down the web, that's movement. So it was the
24 combination of a number of processing source and movement,
25 not the specific lasers and components.

1 THE COURT: Was there disclaimer of the movement
2 of the first or second processing source?

3 MR. FINN: You mean the lack of movement, Your
4 Honor?

5 THE COURT: Right.

6 MR. FINN: Okay. Yes, a completely
7 stationary -- a completely stationary processing source may
8 cause problems, may be disclaimed, but that would be
9 stationary laser and all components with it. So...

10 Going back, the Examiner -- to reinforce and
11 confirm, the Examiner said using movement with two different
12 processing sources along the boundary is one of the
13 distinguishing features. It goes on and says in a different
14 claim, in what ends up being Claim 18, it's a fact that it's
15 a focus laser beam that's moving.

16 Claim number 1, which at the time was
17 independent Claim 18, was just talking about movements.

18 So Roche is trying to put in a negative
19 limitation that was never disclaimed. At the same time, and
20 curiously, later we'll hear that a focused laser beam is
21 indefinite. We'll hear that from Roche because they don't
22 know the boundaries of that. Well, that's just the
23 opposite, in my mind, of a broader wide, it's only an
24 extent, if that's what they're going to argue. So they are
25 adding ambiguity to the claim by putting a "broad field

1 laser" in there. That term is not used in the patent; it's
2 not used in the claims; there's no definition of what a
3 broad field laser is. So not only are they trying to add a
4 disclaimer that didn't occur, they're doing so by adding
5 ambiguity and indefiniteness on a term that they -- nobody
6 knows what's in the patent, and they say the converse of is
7 indefinite.

8 THE COURT: All right. So would Trividia in its
9 proposed construction -- all right. So Trividia is saying
10 plain and ordinary meaning?

11 MR. FINN: Correct.

12 THE COURT: But we're dealing with whether
13 there's disclaimer on not. Is Trividia saying at most if
14 there was disclaimer, it's -- you know, the stationary broad
15 field -- well, not specifically, but it just dealt with
16 movement or no movement, and so the plain -- if there was
17 disclaimer, the plain and ordinary meaning would be subject
18 to the requirement of using movement of the first or second
19 processing source along a boundary?

20 MR. FINN: I don't believe it's an entire
21 disclaimer that way, because we argued during prosecution
22 that it was not only movement, there was a number -- I'd
23 have to see what the proposed change is. I think if you
24 have a number of stationaries as opposed to the one
25 stationary in Groll, that may get you -- that may not --

1 that is not disclaimed. If you have multiples or one that
2 moves, that's not disclaimed.

3 So I think it's -- I don't think there's
4 disclaimer, frankly, Your Honor. And frankly, neither did
5 Roche's expert. Roche's expert -- Roche relied on the
6 declaration of Dr. Cunningham and, frankly, that's extrinsic
7 evidence that's only supposed to be relied upon if there's
8 some ambiguity in the claims. I believe there's no
9 ambiguity. It's a question of disclaimer, which is
10 something else.

11 But you go to Dr. Cunningham's IPR declaration,
12 which he actually executed a week before he executed the
13 declaration he submitted to this court, he says very clearly
14 there: "I will give the claim terms their plain and
15 ordinary meaning..." so he knows a plain and ordinary
16 meaning. He goes on and tries to explain away in
17 anticipation of this why he's using a plain and ordinary
18 meaning. And he says: "I have applied the plain and
19 customary meaning as described above..." But right before
20 that he says "it's obvious under either construction..." so
21 he had two constructions in his head: One is a plain and
22 ordinary meaning and one is something else that he doesn't
23 tell us here.

24 And at his deposition just last week, he says:
25 "I gave the terms ordinary and customary meaning..." and "I

1 may not have told you what I consider plain and ordinary is
2 not..." "I may not have included the consideration... the
3 prosecution history which describes other processing
4 techniques." He was just focused on one particular
5 instance.

6 And then as we already mentioned if a POSITA
7 doesn't know what a focused laser beam is, will a POSITA
8 know what a broad field laser is.

9 THE COURT: I understand.

10 MR. KHAN: All right. Thank you, Your Honor.

11 So on this term I think Trividia's asking for
12 essentially no construction. We think it's pretty important
13 here for at least three reasons to give this term a
14 construction.

15 The first is that the term is not "movement" or
16 "moving," the term is movement of a processing source along
17 a first Kerf for boundary, laser beam move relative to the
18 conductive layer along the first Kerf for a first boundary.
19 The jury can be aided in trying -- in offering an
20 interpretation or understanding of those words in helping
21 the jury understanding what those words mean in light of
22 intrinsic evidence for sure.

23 The second is I think you just heard there's
24 actually a dispute between the parties. There's not just a
25 dispute about disclaimer, Your Honor -- and I want to be

1 very clear about this because Roche's position is the plain
2 and ordinary meaning on its face excludes -- we don't have
3 to get to the disclaimer, on its face in moving processing
4 source or a laser beam moving necessarily in its plain and
5 ordinary meaning excludes broad field laser ablation through
6 a mask. And but --

7 THE COURT: Well, couldn't a broad field laser
8 with a mask be moving?

9 MR. KHAN: No, Your Honor, because -- and I
10 heard for the first time -- it's nowhere in the briefing,
11 there's no evidence to this effect. I heard for first time
12 in argument my colleague on the other side suggest and opine
13 sort of on the fly that there might be some ways in which
14 you could move a broad field laser ablation when it's
15 working through a mask. There's really no such thing.

16 And if we could go to 118. Here the evidence
17 that the court has in front of it. This is evidence, not
18 attorney argument. They didn't point to any intrinsic
19 evidence in front of you, they didn't point to any
20 specification cites that would suggest to you that a broad
21 field laser ablation through mask can move. So this is the
22 evidence that's in front of the Court to suggest that the
23 plain meaning of movement of a processing source or laser
24 moving relative to the conductive layer along the first and
25 second Kerf, the plain meaning excludes broad laser ablation

1 through a mask.

2 Here we have our expert opining in his expert
3 declaration. I'm going to get to the IPR declaration and
4 the allegations of inconsistency in just a second. But for
5 now our expert testified point-blank that the laser and
6 broad field laser ablation does not move when it's operating
7 through mask. And guess what, Your Honor, that's exactly
8 what Trividia said in the file history. So the statements
9 in the file history -- there's statement not just about
10 Groll, there are statements about the state of the art as it
11 relates to moving processing sources and moving lasers.

12 So if we look -- this is in the file history:
13 During which a broad field laser does not move relative to
14 the electrical component being performed. That is not a
15 statement about Groll, that is a statement about the plain
16 meaning of the word "laser moving" or "moving processing
17 sources."

18 Next because a broad field laser system uses no
19 moving parts during ablation, Groll fails to disclose or
20 suggest the movement of processing sources recited by Claim
21 18. Again, because a broad field laser system uses no
22 moving parts during ablation, that is no statement about
23 Groll, that's a statement about the state of the art as it
24 relates to what broad field laser ablation through a mask is
25 and how it's outside of the words "movement of a processing

1 source" and outside of the words "laser moving."

2 If we could go back to the beginning of the
3 presentation. So we do think -- there's no evidence in the
4 briefing to the contrary, you heard for the first time my
5 colleague on the other side offered some off-the-cuff
6 understandings of how a broad field laser could move in the
7 context of working through a mask, but there's really no
8 such thing.

9 And the third reason, Your Honor, to really give
10 this construction is that Groll is Roche's patent, that's
11 how we do it. And so what is happening here is Trividia is
12 trying to recapture what it sort of distinguished in the
13 prior art. And the third reason, Your Honor, is really to
14 give this court a construction is that even if the Court
15 doesn't agree with us on the plain and ordinary meaning is
16 we think there is a disclaimer here.

17 So the background of the patent of how we got
18 here is actually quite important because Trividia's version
19 of how we got here -- I heard it again today -- is that the
20 patent is really about sort of the number of lasers and the
21 lasers being different. So here, again, these are
22 Trividia's briefs, again and again you see oh, it's about
23 the number of the lasers and not the specific type of the
24 laser. And here point-blank they say the claims cover broad
25 field laser ablation that passes through a mask. So a

1 point-blank statement in their brief that says nothing in
2 the claims suggest that this term should exclude ablation by
3 a broad field laser that passes through a mask.

4 So the perspective offered in their brief is the
5 claims cover all laser ablation, the claims are not -- the
6 disclaimer issues, there are none, as you heard again today,
7 they're really about differences in the number of lasers,
8 but not about the type of lasers.

9 So let's look at what the original claims looked
10 like. These are the original claims before the Examiner
11 rejection based on Groll. So -- and on the left we have
12 what was Claim 18 that post-amendment issued as Claim 1, on
13 the right we have Claim 35, with post-amendment issued as
14 Claim 18.

15 So what do we see in Claim 18 and 35 which is
16 issued as Claim 1 and 18 respectively -- that's important.
17 We see that there are two lasers or two processing
18 techniques; a first and a second processing technique. A
19 first and a second laser ablation process.

20 We see that the claim expressly in the original
21 form said the first and the second processing technique are,
22 quote, not -- the second processing technique is, quote, not
23 the same as the first processing technique. And the second
24 laser ablation process is not the same as the first laser
25 ablation process.

1 So in the original claim before the Examiner
2 applied the Groll rejection, there were multiple lasers
3 recited and the laser -- by the claim language said to be
4 different. So what happened next? The examiner rejected
5 that claim on the basis of Groll. And the notion that
6 multiple lasers was somehow novel or inventive that was
7 deemed obvious by the Examiner and rejected -- that notion
8 was rejected by the Examiner. And the Examiner said that
9 one of ordinary skill would be motivated to use two lasers,
10 and even though Groll itself failed to teach the use of two
11 different lasers, but it would be obvious because -- for
12 various reasons having to -- not needing to change the mask
13 constantly.

14 So what do they do then? So then here's now the
15 amended claim and the amended claim -- again, Claim 18
16 became issued Claim 1, Claim 35 then become issued Claim 18.
17 So what changed and what didn't change? What changed was we
18 then add the words "movement of a processing source along at
19 least first boundary" and the other claim we add "the beam"
20 -- "the focused laser beam moved relative to the conductive
21 layer along the first Kerf."

22 What didn't change? The number of layers or
23 processing sources didn't change, it's the same.

24 What also didn't change is the second processing
25 source is different from the first processing source. Here

1 it is, the second -- quote, the second processing source is
 2 not the same as the first processing source. In the other
 3 claim, the first laser beam being different to the second
 4 laser beam. It's the same. So those aspects of the claims
 5 didn't change, what was added was what we refer to as
 6 "movement terms."

7 So they filed that amendment and what do they
 8 say? They say Groll forms electrical -- and this is a Roche
 9 patent. In our view, this is now what they are accusing of
 10 infringement in this case. Groll forms electrical
 11 components using a broad field laser that passes through a
 12 mask. And why is that problem? Well, as -- in talking
 13 about the state-of-the-art during ablation a broad field
 14 laser does not move relative to an electrical component
 15 being formed.

16 (Court reporter asked for clarification.)

17 Because a broad field laser system uses no
 18 moving parts during ablation, Groll fails to disclose or
 19 suggest the movement of processing sources..."

20 So what we're talking about is the plain meaning
 21 of the words on the page excludes broad field laser ablation
 22 through a mask. But even if the Court were to disagree with
 23 that, this is just a crystal clear disclaimer in sort of
 24 exactly the way the Federal Circuit contemplates where
 25 there's an amendment to overcome prior art. The words that

1 are used to explain the amendment and how it overcomes a
 2 prior art are exactly these words are the words that Roche
 3 is proposing to include in the construction.

4 So what is broad field laser ablation through a
 5 mask and why is different from a moving laser? So this is
 6 -- broad field laser ablation is on the left. There's a
 7 laser source. There's a mask that has a pattern in it. The
 8 laser shines through the mask and it creates a pattern on
 9 the film. And the ribbon underneath it might move, but the
 10 laser is stationary, the mask is stationary.

11 In contrast, the moving laser is on the right.
 12 And here's the moving laser, the moving laser scribes or
 13 cuts across and actually moves along the pattern that's
 14 desired. And so that's why they distinguish Groll, they
 15 distinguish it both on an understanding of state-of-the-art
 16 and based on what Groll taught. And so the Examiner at the
 17 end of it all says, you know what I'm going to accept, so
 18 here's the -- I'm going to accept what Trividia said because
 19 Groll fails to teach cutting individual elements by moving a
 20 laser along the edges of Kerfs that defines the elements.

21 So the background of the pattern here is it was
 22 all about the movement of terms, and it is undisputed before
 23 Your Honor that, that the plain meaning of those terms
 24 excludes "broad field laser ablation through a mask."

25 THE COURT: If I accept your argument, I'm

1 struggling whether that excludes a moving broad field laser
 2 that passes through a mask.

3 MR. KHAN: Your Honor, there's no evidence that
 4 such a thing exists. I think you heard it from counsel here
 5 for the first time there's no evidence in the record that
 6 such a thing exists. It's certainly in the state-of-the-art
 7 that that is not what is contemplated.

8 THE COURT: But doesn't exist in Groll.

9 MR. KHAN: Groll had a stationary laser.

10 THE COURT: Right. They were overcoming Groll,
 11 and so if doesn't exist, you know --

12 MR. KHAN: There's no evidence that doesn't
 13 exist.

14 THE COURT: Right. So if I bought your argument
 15 and worked with your construction, but instead of which
 16 excludes a broad field laser that passes through a mask,
 17 change it to -- supplement it to say "a stationary broad
 18 field laser that passes through a mask" to not exclude a
 19 moving broad field laser that passes through a mask.

20 MR. KHAN: I think, Your Honor, that could be
 21 acceptable. I need to talk to the client and to the team.
 22 If I could have that opportunity in the break very quickly,
 23 but I think that would work, because -- but the one thing I
 24 would add is there is one thing moving in Groll and that
 25 is -- sorry, let me just go back -- and that's the roll,

1 right. So the laser is not moving, the mask is not moving,
 2 but Groll is moving. So I just want to be very clear about
 3 when we say that the claim includes a stationary broad field
 4 laser ablation through a mask that, you know, just because a
 5 roll is moving suddenly we're not talking about a moving
 6 laser, but -- and if we're on the same page on that, I think
 7 that would be okay, yes.

8 I do want to touch on -- I think I've actually
 9 made most of the points, but I want to talk a little bit
 10 about this passage in the specification. I don't think it
 11 sort of bears on what we're talking about at all, but it's
 12 featured heavily in Trividia's briefs so I'll talk about it
 13 here. This specification talks about laser ablation and
 14 laser systems generally, and it's completely consistent with
 15 the file history because it talks about laser systems
 16 comprising potentially focused beams and projected masks,
 17 and it uses the term "move the focused laser beam relative
 18 to conductive layer" when it's talking about the use of
 19 focused laser beam. When it is talking about the use of a
 20 mask, it doesn't use the word "moving." So if we read the
 21 passage that talks about the mask, there's nothing about
 22 movement in there.

23 And then when it comes back to talking about the
 24 focused laser beam, it's talking about moving relative to
 25 conductive layer. And regardless of what's in this passage

1 or not, there's definitely nothing -- as Trividia's counsel
2 admitted and I think I agree with him, there's nothing in
3 the specification about broad field laser ablation through a
4 mask, and this passage does not somehow suggest that a broad
5 field laser ablation system through a mask that a laser in
6 that system could move; there's nothing in here that says
7 that expressly.

8 I'm going to move forward. So Trividia a couple
9 of times today suggested that there was something improper
10 or inconsistent about our expert's two declarations. And
11 this is what Dr. Cunningham, our expert, talked about in
12 his -- this report declaration. He said --

13 (Reporter clarification.)

14 He basically applied that ordinary and customary
15 meaning, and he said: "I have to take into account the
16 applicants' statements to the Patent Office characterizing
17 its invention."

18 And then in his deposition he made clear that he
19 views the exclusion of "broad field laser ablation through a
20 mask," he views that exclusion as the plain and ordinary
21 meaning of movement of a first/second processing source.

22 And what did he do in his IPR? He said the same
23 thing. He said I'm going to give the terms their plain and
24 ordinary meaning. And he said the prior art makes the
25 challenged claims obvious under either construction. Now,

1 in the IPR, Your Honor, there was no dispute and they
2 haven't responded yet, but we don't think there's going to
3 be a dispute over this term. Why? Because he's applying
4 art where the laser is moving.

5 So the prior art taught scanning the focused
6 laser beam, the elements formed by movement of the laser.
7 So in the IPR he's not applying art that's broad field laser
8 ablation through a mask, he's applying art that is directly
9 moving, and so we don't think this is going to be a term
10 that's disputed in the IPR proceedings.

11 And to the extent there was any doubt about what
12 he was doing in the two declarations, in the deposition he
13 made it crystal clear that the parties appear to have a
14 dispute about what the plain and ordinary meaning is;
15 Trividia has one wording, Roche has another wording, but I
16 think Roche's construction is the plain and ordinary meaning
17 on this term.

18 So with that, Your Honor, as I said, we think,
19 as a matter of plain and ordinary meaning, you could get to
20 Roche's construction, but certainly there's a disclaimer
21 here.

22 THE COURT: Okay.

23 MR. KHAN: Thank you.

24 MR. FINN: Your Honor, if I could just address
25 one thing that counsel said. He took issue with my

1 hypothetical of putting a lens -- what he called a
2 hypothetical, putting a lens in front of a processing source
3 and moving the lens or using the lens to direct the laser
4 beam. That's the exact question I asked their expert during
5 his deposition last week. It's page 89 of the transcript of
6 Exhibit I. My question was:

7 "QUESTION: If I use a lens in front of a laser
8 and move the lens, is that a moving part of the processing
9 source?"

10 Dr. Cunningham's answer was:

11 "ANSWER: Hypothetically, you could consider
12 that being at least one part of the processing source would
13 be a movement of a lens during the processing step."

14 And that's exactly what we were concerned about
15 when we see their construction where they take processing
16 source and they say parts of processing source. You asked
17 about a stationary, nonstationary, I want to make sure it's
18 clear that anything moving in that assembly, whether it be
19 the laser, the mask, a lens, anything in that assembly
20 moving we would consider qualifies as movement.

21 THE COURT: Well, if that was the case,
22 wouldn't -- that wouldn't have gotten you past Groll.

23 MR. FINN: Well, Groll was stationary.

24 THE COURT: Right. But you're saying if
25 anything -- so with respect to Mr. Khan's question that he

1 wanted to make sure that if the roll --

2 MR. FINN: Well, the roll is not part of the
3 processing source.

4 THE COURT: Okay.

5 MR. FINN: I'm limiting the processing source to
6 what the laser -- processing source is more than a laser,
7 there's testimony to that too, I believe, earlier a page or
8 two. But in this instance you've got a laser and the laser
9 itself works with other components to create the ablation,
10 it's the other components in their construction, the parts
11 of the processing source that may be moving as well. The
12 roll isn't part of the processing source, the roll isn't
13 part of the laser.

14 THE COURT: All right. I understand.

15 MR. KHAN: We're going to move on the next term,
16 but we got that straight from the applicant's statements and
17 file history, but I'll rest on that issue and we'll move to
18 the next term.

19 THE COURT: All right.

20 MR. FINN: Your Honor, the last term we're going
21 to address is "focused laser beam." And I may have
22 foreshadowed this a bit when we were talking about the other
23 terms, we, again, believe that it's a plain and ordinary
24 meaning to one skilled in the art; it's commonplace.

25 Roche has taken the position that it's

1 indefinite as there's no, according to them, limitations on
2 it or identification of limitations. Again, it's our
3 position that a POSITA would understand the meaning within a
4 reasonable certainty as required under *Nautilus*.

5 The term shows up only in Claim 18 and it refers
6 to a "first and second focused laser beam." In that claim,
7 that's all it says is a first and focused -- first and
8 second focused laser beam. However, if you go down to
9 Claims 21 and 22, you get an approximate width
10 identification, at least creating a range for what a focused
11 laser beam would be under Claims 21 and 22.

12 For Claim 21, the first being, the first focused
13 laser beam is approximately 20 micro-meters. The second --
14 in Claim 22, the second focused laser beam is approximately
15 100 micro-meters. That alone gives you an identification of
16 at least what a focused laser beam would be between those
17 two.

18 THE COURT: But --

19 MR. FINN: Yes, Your Honor.

20 THE COURT: There's no issue with an antecedent
21 basis here?

22 MR. FINN: I don't see one, Your Honor.

23 THE COURT: Right. So I'm pointing out that,
24 you know, there's no problem that there's no antecedent
25 basis here, but there's a problem with the --

1 MR. FINN: No, I --

2 THE COURT: With the terms on Roche's patents.

3 MR. FINN: Your Honor, I misunderstood your
4 question.

5 The antecedent basis for "first beam" is "first
6 focused laser beam" in Claim 18. The antecedent basis for
7 "second beam" in Claim 22 is "second focused laser beam."
8 Those are the only beams referred to first and seconds in
9 Claim 20 -- excuse me Claim 18.

10 THE COURT: Right, but there's no antecedent
11 basis in Claim 18.

12 MR. FINN: There's none required, Your Honor,
13 because it starts out using "a", that's the first time you
14 find it, it's not -- that's the definition itself, "a first
15 focused laser beam." It doesn't say "the" like it did in
16 the other situations.

17 THE COURT: Okay.

18 MR. FINN: Turn to the specification, Your
19 Honor, and you'll find examples throughout what a focused
20 laser beam is at the patent -- '981 patent, Exhibit 3,
21 column 9:46-67 refers to "commercial products that exist"
22 that evidenced what a focused laser beam is; HeraScan, which
23 is a direct writing ablation system. Then at the bottom of
24 the second paragraph there it refers to laser systems
25 available by Glassex Industry and a micro machine systems

1 from Exitech. These are commercial products that one
2 skilled in the art at the time that this was filed would
3 know about and they would know the specifications for -- or
4 if they didn't know them, they certainly could go find them.

5 The term is also a known term in the art. If
6 you want to go to external evidence, which we don't think is
7 necessary, but going to the external evidence, two of
8 Roche's patents use the term "focused laser beam."

9 Other third parties Dexcom and Avails Medical,
10 again, have used the term "focused laser beam," and these
11 are all before the filing of the '981.

12 Roche's own expert in his patent, this patent
13 229 -- 6,468,229, Dr. Cunningham, Roche's expert, is an
14 inventor in this patent. He uses the term "focused laser
15 energy." And when he used it, he testified at his
16 deposition that he understood the term regarding focused
17 lasers.

18 What Dr. Cunningham is now calling "indefinite,"
19 as I said, a week earlier in his IPR declaration he said had
20 a plain and ordinary meaning that he used to construe it.
21 Never told us what it was, but at least he knew what one
22 was. And then at his deposition again last week, he
23 confirmed just that, that he understood what the term meant.

24 And then lastly, as we discussed earlier, if
25 Roche wants to include "broad field laser" as a term, it's

1 never used in the '981, but they want to include it in some
2 of the other constructions, if that's definite, then how is
3 "focused laser beam" not definite as well?

4 THE COURT: Understood.

5 MR. FINN: Unless you have questions, Your
6 Honor...

7 THE COURT: No, I understand.

8 MR. YIN: May I proceed, Your Honor?

9 THE COURT: Yes.

10 MR. YIN: So this term is "focus laser beam."

11 As my friend on the other side said it appears in
12 independent Claim 18 of the '981 patent. And Roche's
13 position is that "focused laser beam" is indefinite because
14 it is used in the patent and in this prosecution history as
15 a term of degree that lacks objective boundary within the
16 intrinsic record.

17 And Trividia's position, I hear, is that
18 "focused laser beam" has some plain and ordinary meaning,
19 but we still haven't heard through three briefs from
20 Trividia, through a deposition of Roche's expert what that
21 plain and ordinary meaning is. They haven't told Roche or
22 the Court what is the boundary between the focused laser
23 beam and the broad field lasers.

24 So to understand why this focused laser beam is
25 a term degree, it's helpful to understand how the term came

1 about. We'll start with the claims where "focused laser
2 beam" appears in independent Claim 18, which requires a
3 "first focused laser beam that moves relative to a
4 conductive layer along the first Kerf" and a second focused
5 laser beam that moves relative to the conductive layer along
6 the second Kerf."

7 And the claim language itself does not provide
8 an objective boundary, but two dependent claims do provide
9 two examples of what "focused laser beams" include. They
10 range from at least approximately 20 micro-meters in
11 dependent Claim 21 and at least 100 micro-meters in
12 dependent Claim 22. But these claims do not say, and
13 Trividia does not concede, that these are the exclusive
14 ranges for focused laser beams. And so the claims do not
15 tell you, and Trividia has not told you, what is the upper
16 bound for "focused laser beam," when does it become a broad
17 field laser.

18 THE COURT: But isn't Dr. Cunningham Roche's
19 expert?

20 MR. YIN: He is, Your Honor.

21 THE COURT: Didn't he admit that he would know
22 what a "focused laser beam" is?

23 MR. YIN: I don't think so, Your Honor, not in
24 its full scope. What Dr. Cunningham did -- and I can
25 forward ahead to some slides involving Dr. Cunningham -- is

1 he testified that he understood that there were examples of
2 "focused laser beams" in the specification. He understood
3 the examples included at least approximately 20 micro-meters
4 and at least approximately 100 micro-meters. But he
5 testified that the intrinsic record do not provide the
6 skilled artisan with an objective boundary for when a laser
7 beam is sufficiently focused. And he also testified,
8 importantly, that there is not a universal, established
9 meaning in the field where a dividing line between a focused
10 laser beam on one hand and a nonfocused laser beam that is
11 too broad.

12 Again, Trividia has not established a dividing
13 line either.

14 What Dr. Cunningham did for purposes of the IPRs
15 was to -- skip to the end -- was to find the specific
16 examples of focused laser beams within the prior art. So he
17 was able to find a laser beam that matched the -- at least
18 approximately 20-micro-meter embodiment, and he was able to
19 find a laser beam that matched the at least approximately
20 100 micro-meter embodiment, but he did not need to resort to
21 finding what the limits of "focused laser beam" is. And
22 that's entirely consistent with Federal Circuit precedent,
23 we cited the *Cochlear Bone* case in our briefing and the
24 *Intel v. Wolcom* case in our supplemental brief we filed
25 yesterday. And those cases explain that there is no

1 inconsistency between arguing that a claim is both invalid
2 and indefinite. It can be invalid because a species that is
3 known is anticipated or obvious by the prior art; and yet it
4 can be indefinite at the same time because the full scope of
5 the term, the boundaries between "focused laser beam" and
6 "nonfocused laser beams" that is still indefinite and that
7 is still unknown to the person of ordinary skill.

8 So we're turning to how this came -- how this
9 term came about. As my colleague explained, the original
10 claims did not recite "focused laser beams"; instead they
11 recited "first laser ablation processes" and "second laser
12 ablation processes." Interestingly the dependent claims
13 there recited "at least approximately 20 micro-meters" and
14 "at least approximately 100 micro-meters."

15 The Examiner rejected the original claims; we
16 talked about how the Examiner found that moving -- that two
17 processing sources would have been obvious. And the
18 Examiner also said the "at least 20 micro-meters" and "at
19 least 100 micro-meters" would have been obvious because the
20 beam with the Groll appears to be at least 5 mm or 5,000
21 micro-meters.

22 So in response, the applicant added the word
23 "focused" to original Claim 35, which issued as Claim 18.
24 And that also cascaded down to dependent Claims 21 and 22,
25 which now also required the laser beams to be focused laser

1 beams, not just above 20 micro-meters or above, you know, at
2 least or approximately 100 micro-meters.

3 And what the applicant told the Examiner was
4 that Groll also fails to disclose or suggest that focused
5 laser beams recited by Claim 35 because Groll's invention
6 only works with a broad field laser; that is the applicant
7 distinguished not only Groll on the basis of movement and
8 lack of movement, it also distinguished Groll on the basis
9 of focused laser beams versus broad field lasers, and that
10 confirms that "focused laser beam" is used as a term of
11 degree.

12 The Examiner then allowed the amended claims and
13 adopted Trividia's argument that distinguished Groll, and
14 the Examiner noted that Groll uses a wide laser to ablate
15 patterns on a conductive reel in contrast with focused laser
16 beams.

17 So the problem that was created by use of
18 "focused laser beams" in contrast with "broad field lasers"
19 is that it turned it into a term of degree. And the Federal
20 Circuit has told us that terms of degree must have baselines
21 and objective boundaries to inform the skilled artisan what
22 is the scope of the term. The intrinsic record does contain
23 two data points for what is a "focused laser beam" -- we
24 talked about the at least approximately 20 micro-meters and
25 at least approximately 100 micro-meters. And a third data

1 point for what is not a focused laser beam, the 5 mm or
2 5,000 micro-meters from Groll, but the area in between is
3 what is left indefinite to the person of ordinary skill.
4 And the Federal Circuit requires something more, it requires
5 objective boundaries.

6 Now, I'll briefly touch on two cases that were
7 cited in the briefs by Trividia, the *Sonix* case and the
8 *Guangdong Alison* case. And Trivida suggests that two
9 examples are enough to provide an objective boundary, but
10 that is not what happened in these cases.

11 In the *Sonix* case there was a standard provided,
12 this number two differentiate brightly and home again nitty
13 requirements for the graphical indicators being negligible
14 to knew hand eyes a determine whether something was
15 negligible or not. Similarly in the *Guangdong Alison* case
16 the Federal Circuit said there were expressed definitions
17 for the term, there were details of the functional
18 characteristics, there were replete with examples and
19 metrics, importantly metrics for how a skilled artisan
20 could measure whether something falls within the scope of
21 the claims. We don't see any of these standards or metrics
22 or objective boundaries for "focused laser beams."

23 We talked about Dr. Cunningham, he testified
24 that there is no universal established meaning that divides
25 a "focused laser beam" and a "broad field laser." And he

1 talks about how -- he testified that the claim
2 specification, prosecution history do not provide a skilled
3 artisan with an objective boundary. That's consistent with
4 Trividia's argument, they have not provided an objective
5 boundary and we still don't know what that is.

6 Trividia points to this passage from the
7 specification which mentions three devices, the HeraScan
8 devise, the LasX device and the Exitech device, but none of
9 those actually provides an objective boundary.

10 The first device the HeraScan scan device is not
11 a laser beam at all, it is a scanner that can move a laser
12 beam; it is a scan head not a laser itself. And this
13 actually came up in the Cunningham declaration -- deposition
14 that occurred last week where Dr. Cunningham testified that
15 the documents relating to HeraScan candid not disclose any
16 beam widths.

17 The LasX system and the exit tech system are not
18 even described as focused laser beam. The passage refers to
19 focused laser beams, projected masks or other suitable
20 techniques. And there's no indication that LasX industries
21 and Exitech makes focused laser beams, nor does the
22 intrinsic evidence provide the objective boundary that is so
23 lacking in this case.

24 Again, my friend from Trividia has provided no
25 objective boundaries from these devices, which are not even

1 identified in this specification.

2 The extrinsic evidence also provides no
3 objective boundaries. These are the two Roche patents that
4 use the word "focused laser beams," but it's important to
5 understand that the extrinsic evidence does not provide an
6 objective boundary for four high level reasons.

7 The first is that there's no suggestion in these
8 references that distinguish between wide or broad lasers on
9 one hand and focused, narrow lasers on another. They don't
10 use the terms in a term of degree way in classifying types
11 of lasers based on size and width. Even if they do use a
12 term "focused laser beam," they don't provide an objective
13 boundary either. And these patents also don't claim a
14 "focused laser beam," this term appears in the
15 specification, not the claims, so they did not have to use
16 the term in a definite way for a skilled artisan.

17 So here, once again, these patents differentiate
18 moving "focused laser beams" with stationary "broad field
19 laser through a mask." And, of course, those are different
20 and we know those techniques are different, and those were
21 distinguished in the prosecution history separately, but
22 they do not distinguish on the basis of the size of the
23 laser.

24 THE COURT: All right. Mr. Yin, you've got
25 two minutes to wrap up.

1 MR. YIN: Very well, Your Honor. Very briefly
2 on the Avails patents and the Dexcom patent, these also
3 don't relate to the art of the '981 patent. The Avails
4 patent relates to using light sources as detectors, it talks
5 about laser beams, light bulbs and LEDs, they are not used
6 to ablate electrodes. And the Dexcom patent also does not
7 relate to blood glucose monitoring test strips.

8 So ultimately the '981 patent fails to provide
9 the reasonable certainty and clear notice that is demanded.
10 I would invite my friend to tell us once and for all what is
11 the objective boundary that is missing in this case. And to
12 the extent that he believes that there is some contradiction
13 in the arguments, I would say the contradiction is actually
14 on the other foot because it is Trividia that has found
15 evidence distinguishing broad field laser ablation and focus
16 laser beams, and yet they refuse to say and admit that they
17 have actually disclaimed broad field laser ablation that
18 passes through a mask in the prosecution history.

19 Thank you, Your Honor.

20 THE COURT: Anything else for Trividia?

21 MR. FINN: If I could impose briefly, Your
22 Honor?

23 Your Honor, we've been challenged to put out a
24 construction, our construction is plain and ordinary meaning
25 to one skilled in the art. I am not skilled in the art.

1 I'm not going to try to put one forward. However, we have
 2 during the presentation heard a number of things. We've
 3 heard an upper limit of Groll having a broad field laser or
 4 5,000 micro-meters, that seems to be an upper limit to me.
 5 We've heard that there's a range, confirmed what I said
 6 earlier, of 20-100 micro-meters, so -- in the claims.

7 We know that Dr. Cunningham, while he read the
 8 patent, he didn't know about the commercial products that
 9 were described in the patent. He just said oh, they're
 10 there. His testimony just last week:

11 "QUESTION: So you didn't look at the examples
 12 that are cited in the specification; is that your testimony?

13 "ANSWER: No, no."

14 He didn't look. They are there. One skilled in
 15 the art at the time would know what those commercial
 16 products were and what laser systems they were using and how
 17 they helped define things.

18 THE COURT: So Trividia doesn't have a proposed
 19 construction?

20 MR. FINN: We have not put one forward. It's
 21 plain and ordinary meaning.

22 THE COURT: And what does Trividia's experts say
 23 is the plain and ordinary meaning?

24 MR. FINN: We have not put one forth, Your
 25 Honor. We haven't put forth an expert in this situation.

1 THE COURT: All right.

2 MR. FINN: It is certainly not a broad field or
 3 a wide field laser, which according to Groll is 5,000 meters
 4 so it would be something less than that for certain. We
 5 have a range of at least 20-100 micro-meters. There are the
 6 examples. We will live with those example, but we can't
 7 think of them all.

8 The bottom range is -- I would -- zero, right.
 9 Anything short of zero, zero is no light at all, no beam at
 10 all, but short would be narrow and focused.

11 Mr. Yin mentioned that the examples we used
 12 weren't in the claims or that the "focused laser beam"
 13 terminology that we pointed to in some of the examples were
 14 not in the claims. That's not the issue. The issue is
 15 would one skilled in the art understand the terminology
 16 whether it's in the claims, whether it's in the
 17 specification, wherever it is used; presumably it was used
 18 in the specification because someone knew what it meant.

19 THE COURT: All right.

20 MR. FINN: Thank you.

21 THE COURT: All right. The Court will take
 22 these matters under advisement. You have the schedule on
 23 the supplemental briefing with respect to the claim term
 24 dealing with the -- I think that was Claim No. 7 dealing
 25 with methods, the steps, so the Court will consider those

1 when they are submitted, and get a ruling on these claim
 2 construction issues in a prompt manner.

3 The Court typically shoots for within 60 days,
 4 and we'll try to meet that in this case. It may not -- it
 5 may be 60 days from the close of briefing on the
 6 supplemental issue.

7 So, with that, we are adjourned. Thank you both
 8 sides, good job on your presentations.

9 DEPUTY CLERK: All rise.

10 (Whereupon, the following proceeding concluded
 11 at 4:09 p.m.)

12 I hereby certify the foregoing is a true
 13 and accurate transcript from my stenographic notes in the
 14 proceeding.

15 /s/ Michele L. Rolfe, RPR, CRR

U.S. District Court