

1 UNITED STATES PATENT AND TRADEMARK OFFICE

2
3 BEFORE THE PATENT TRIAL AND APPEAL BOARD
4

5 Axon Enterprise, Inc. And Dedrone Holdings, Inc.

6 Petitioners

7 v.

8 Airspace Defense, Inc.,

9 Patent Owner,
10

11 Case IPR2025-00530

12 U.S. Patent No. 10,249,199
13

14
15 REMOTE DEPOSITION OF

16 NIKOLAOS PAPANIKOLOPOULOS, PH.D.

17 JULY 7, 2026

18 8:29 A.M. CST
19

20
21 JOB NO.: 640750

22 REPORTED BY: LINDA RUSSELL

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Remote Oral Deposition of NIKOLAOS
PAPANIKOLOPOULOS, PH.D., produced as a witness at
the instance of the Petitioners, and duly sworn,
was taken in the above-styled and numbered cause
on July 7, 2026, from 8:29 a.m. to 9:49 a.m.,
before Linda Russell, CSR in and for the State of
Texas, recorded by machine shorthand, held via
Zoom Videoconference.

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

2

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12 ON BEHALF OF PATENT OWNER:

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20

21 ALSO PRESENT:

22 Jake MacKay

I N D E X

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EXHIBITS MARKED

No.	Description	Page
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(Exhibits retained by counsel)

(REPORTER'S NOTE: All quotations from exhibits are reflected in the manner in which they were read into the record and do not necessarily denote an exact quote from the document.)

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

2 THE COURT REPORTER: My name is Linda
3 Russell, court reporter representing Planet Depos.
4 Today's date is July 7, 2026. The time on the
5 record is 8:29 a.m.

6 Will counsel please introduce themselves
7 and state whom they represent, and then I will
8 swear in the witness.

9 MR. WALTERS: For Petitioners it's Chad
10 Walters from Baker Botts. And also on the meeting
11 is my colleague Ellyar Barazesh.

12 MS. L'ESPERANCE: For the Patent Owner,
13 Amanda L'Esperance from Prince Lobel Tye. And
14 with me is my colleague Suhrid Wadekar.

15 NIKOLAOS PAPANIKOLOPOULOS,
16 having been first duly sworn, testified as
17 follows:

18 EXAMINATION

19 BY MR. WALTERS:

20 Q Good morning.

21 A Good morning.

22 Q You've been deposed before. How would you

1 like me to refer to you?

2 A Just like last time, Nikos.

3 Q Nikos. Dr. Nikos. Thank you.

4 A Yeah.

5 Q Could you state your name for the record.

6 A I'm Nikolaos Papanikolopoulos.

7 Q And where are you physically located right
8 now?

9 A I'm in Larnaca, Cyprus.

10 Q And are you by yourself?

11 A No, I have my counsel in the room,
12 Dr. Suhrid.

13 Q And that's in Cyprus?

14 A Yeah. We're at the Radisson Blu.

15 Q You understand you've been sworn to
16 testify truthfully to the best of your ability?

17 A I do.

18 Q Is there any reason you cannot testify
19 truthfully today?

20 A Not to the best of my knowledge.

21 Q What did you do to prepare for today's
22 deposition?

1 A I review my second declaration in the case
2 for all the three cases, prior art, first
3 declaration, and other pertinent documents which I
4 state in my declarations, including patents,
5 Motion to Amend, Revised Motion to Amend.

6 Q Is it your understanding that this
7 specific deposition right now relates to the
8 '199 Patent, which is U.S. Patent No. 10,249,199?

9 A Yes, that's the one I have with me.

10 Q Okay. And that is IPR Case No.
11 2025-00530?

12 A That's correct.

13 Q And the declaration you were just
14 referring to would be Exhibit 2005 in that IPR
15 proceeding?

16 A I believe so. I don't have an exact -- I
17 don't have the actual exhibit number because I
18 have cleared my computer.

19 Q Did you meet with anyone to prepare for
20 today's deposition?

21 A With Dr. Suhrid.

22 Q Anyone else?

1 A And I had a phone call -- a couple of
2 phone calls with counsel Matthew Vella.

3 Q When did those meetings and phone calls
4 occur?

5 A So we had most of the meetings and the
6 phone calls preparing my second declarations which
7 were all due I believe June 22nd, if I'm correct.

8 Q Since June 22nd did you have any meetings
9 or phone calls to prepare for today's deposition?

10 A Yes, with Dr. Suhrid.

11 Q When did those meetings or phone calls
12 occur?

13 A The last three days, four days.

14 Q How long in total did you meet with your
15 counsel?

16 A I would say three days, four days, at
17 seven, eight working hours.

18 Q Seven, eight working hours --

19 A Per day.

20 Q Per day.

21 And is that for just this deposition this
22 morning or all three depositions?

1 A All three.

2 Q And did you review -- strike that.

3 Before the meetings over the last three or
4 four days did you also prior to that review your
5 declaration and other exhibits to prepare for
6 today's deposition?

7 A I did.

8 Q About how many hours in total counting the
9 meetings with counsel and your review of the
10 documents did you spend preparing for all three
11 depositions?

12 A Just for the depositions, you don't mean
13 the preparation? Probably I spent an extra day,
14 full working day, just looking at all three of
15 them.

16 Q So is it fair to say you spent around
17 forty hours total?

18 A Give and take.

19 Q At what rate are you being compensated for
20 your time in this matter?

21 A My normal rate of \$500 an hour.

22 Q You've submitted two declarations in this

1 proceeding?

2 A For the -- are you referring to the patent
3 '199?

4 Q Yes.

5 A Yes, I did.

6 Q Everything in those declarations is
7 accurate?

8 A To the best of my knowledge, yes.

9 Q Who wrote your declarations?

10 A I was in full control of the words and I
11 check -- I check the technical correctness. But
12 of course the legal disclosures and information I
13 receive, especially at the beginning of all of
14 them, were informed by the counselor.

15 Q Your analysis in your declaration which
16 occurs after the legal section, did you write
17 one hundred percent of that or did you work with
18 counsel on that?

19 A I had full control, but I didn't write it
20 hundred percent.

21 Now, as you state this, for this
22 declaration as I was reviewing I found -- just I

1 had an error. It's in paragraph 116, just for the
2 record.

3 Q Okay. What's the error in paragraph 116?

4 A So I'm talking about the second
5 declaration. So I'm reading from paragraph 116.
6 "There is a significant flaw in Petitioners'
7 allegations and contentions. The scenario alluded
8 to above is an outcome that Petitioners have
9 contemplated. It is not a process that Pasko
10 discloses." This next sentence has this
11 error: "Pasko itself (and none of the other
12 references in the combination) discloses [...] ."
13 "Discloses" needs to change "doesn't disclose," as
14 basically the previous context provide.

15 So the last sentence in 116, it should
16 state, "Pasko itself (none of the other references
17 in the combination) doesn't disclose such a
18 cross-checking of two identifiers that Petitioners
19 contemplate."

20 Q What documents do you have in front of
21 you?

22 A Like last time -- like the other times at

1 the first depositions, I have empty -- this is my
2 second declaration, and I have my first
3 declaration, and two of the references.

4 Q Anything --

5 A And that's it. Huh?

6 Q I'm sorry, I didn't mean to interrupt you.

7 A Sorry.

8 Q Do you have anything else in front of you?

9 A No, just -- I have erased also all the
10 windows and the files from my laptop.

11 Q Can you turn to your declaration, 2005, at
12 paragraph 97.

13 A If you don't mind, may I have an
14 electronic copy?

15 Q Sure.

16 A It's just unfortunate that I made this
17 locally and not fully readable.

18 Q That's okay.

19 Do you see it in the Chat?

20 A Yeah, just give me a minute.

21 Yes. Bear with me just to put it in
22 there.

1 So this is Exhibit 2005 about the '199; am
2 I right?

3 Q Yes.

4 A Okay. I'm there.

5 Q Can you turn to paragraph 97.

6 A Bear with me.

7 Yes, I'm there.

8 Q In this paragraph you address Petitioners'
9 argument that a POSITA cannot sufficiently
10 distinguish "enabled" from "preemptively enabled"?

11 A Yes, I'm addressing the Petitioners'
12 allegation that the POSITA cannot sufficiently.

13 Q What is the meaning of "preemptively
14 enabled"?

15 A So I explain it at length, but let me give
16 you one example which I think characterizes and
17 puts in context what I am describing what
18 basically the particular claim discloses.

19 Let's suppose we have a drone in
20 Washington, DC that enters within -- it gets very
21 close to the White House. Automatically if this
22 drone is not authenticated automatically, we're

1 moving from a lock mode as described in the
2 specification to an unlocked mode, which means
3 that we need to deal with this rogue or
4 potentially rogue drone immediately.

5 So in other words, if you look at the
6 Figure 5, we have to keep -- or basically we have
7 to act without having all the different
8 constraints being satisfied.

9 Q Does "preemptively enabled" have a
10 different meaning than just "enabled"?

11 A I think -- I think basically the Revised
12 Motion to Amend and my Declaration just clarifies
13 this. Yes, it -- in fact, just to rephrase this,
14 these are two different things but they are
15 related, if you look, for example, at the time
16 scale of activity.

17 Q They're related but they have two
18 different meanings?

19 A But they are different.

20 Q Do you have the application, Exhibit 2002
21 in front of you?

22 A I don't have it.

1 Q Okay. I just uploaded it to the Chat.

2 A Just give me one minute. Bear with me.

3 Yeah, I have it.

4 Q Can you turn to page 36 of Exhibit 2002.

5 A Page 36 you mention?

6 Q Yes.

7 A Bear with me.

8 Do you want me to go to page 36 of the PDF
9 document or page 36 of the -- with the number at
10 the bottom?

11 Q Page 36 of the exhibit at the bottom of
12 the page.

13 A Sure, I am there.

14 Q And specifically line 21.

15 A Yes.

16 Q There is a sentence in line 21 that
17 starts, "As depicted in Figure 5." Do you see
18 that?

19 A That's true.

20 Q That sentence says, "the disruption system
21 105 may thus be preemptively enabled if certain
22 conditions are met," and then it gives some

1 examples, "e.g. aerial system detected without an
2 identifier 500, identifier is received but is
3 invalid 501, identifier is valid but is not
4 permissioned 502, et cetera." Do you see that?

5 A That's correct.

6 Q The specification here is stating that
7 invalid -- identifier is valid but is not
8 permissioned at 502 is an example condition for
9 preemptive enablement?

10 A That's correct.

11 Q Have you read the Jarrell reference?

12 A That's correct.

13 Just to make a comment, the preemptive
14 means that sometimes you may want to foreclose
15 some less aggressive -- or at least this is what
16 it comes -- what follows from the spec. Less
17 aggressive options. You keep the aggressive
18 options for the scenario I just mentioned earlier.

19 Q Okay. Have you read the Jarrell
20 reference?

21 A Yes, and I express an opinion in my -- in
22 my second declaration.

1 Q Okay. That reference is Exhibit 1025.

2 I've uploaded it to the Chat.

3 A Sure. Bear with me.

4 Yes, I'm there.

5 Q Can you turn to column 13 of Exhibit 1025.

6 A Column 13? Give me a minute.

7 I am there.

8 Q Specifically I'd like to look at lines 44

9 to 48.

10 A Yes. Give me a minute to read them.

11 Q Sure.

12 A You want me to ask me a question and

13 then --

14 Q You can go ahead and read it.

15 A Thank you.

16 (Document Review)

17 Yes.

18 Q Here Jarrell discloses the authentication

19 of a registration or license identifier of an

20 aerial vehicle.

21 A Uses the word "authenticate," but we have

22 to put in context. If you look at 13, column 13

1 at 23, if you go a little bit above in the same
2 column, and I express an opinion in my
3 declaration, it says, "In some examples, a
4 communications station 101 can determine whether a
5 UAV 150 has a valid or current registration or
6 license. For example, the communications station
7 101 can request a registration or license
8 identifier from the UAV, and can receive a message
9 from the UAV 150 that includes a registration or
10 license identifier. In various implementations,
11 the communications station may compare the
12 received registration or license identifier from
13 the UAV 150 with a list" -- and I want to
14 underline this -- "with a list of valid (or in
15 some examples, invalid) registration or license
16 identifiers, for example. In some examples, the
17 communications station may store a list of
18 registration or license identifiers in a memory of
19 the communications station, and may compare
20 received registration or license identifiers with
21 identifiers on the stored list."

22 And I think the list -- I have written

1 several paragraphs why the list really doesn't
2 correspond at all, is erroneous. A list has
3 several -- it's like -- a list is not what is
4 claimed in the particular amended claim. And if
5 you want me, I can go and explain more. It's
6 contained in my declaration.

7 Q And my question specifically was about
8 lines 47 to 48. And you noted in your answer that
9 it uses the word "authenticate," and it states "to
10 authenticate or validate the registration or
11 license identifier." Is it your opinion that that
12 does not disclose authentication of a registration
13 or license identifier?

14 A I think the word "authenticate" is misused
15 here. Can I explain why the context that was
16 provided previously checks with a list -- think of
17 a white list or black list. So in this case white
18 is everything that is accepted and black is not
19 accepted. This is not authentication as disclosed
20 in the amended claim.

21 Q So it's your opinion that while Jarrell
22 uses the word "authenticate," it is misusing the

1 word authenticate?

2 A Among other things. And I state in my
3 declaration, for example, it doesn't have a second
4 factor and other things. But I think this is --
5 this is one of the problems I see, as I state in
6 my second declaration.

7 Q Can we go back to Exhibit 2002, which is
8 the '199 application.

9 A Yeah, just give me one minute.

10 Yes.

11 Q Specifically I'd like to turn to page 14.

12 A Page 14. Again in the red letters; am I
13 right?

14 Q I don't see color on my hard copy, but it
15 should say 14 at the bottom of the page, and also
16 in the exhibit label there's a page 14.

17 A Yeah, I'm there.

18 Q Okay. Specifically starting with the
19 sentence that begins at line 23.

20 A I am there.

21 Q This sentence says, "The dynamic aerial
22 system identifier can be generated onboard the

1 aerial system 100, generated remotely (e.g., at a
2 remote computing system, et cetera)," and then
3 there's more of a parenthetical, and then it says,
4 "or generated by any other suitable system." Do
5 you see that?

6 A Yes.

7 Q So it states that the identifier can be
8 generated onboard the aerial system or generated
9 remotely. Do you see that?

10 A I do.

11 Q When it says remotely, it means remote
12 from the aerial system?

13 A It's one of the options. For example, it
14 says at a remote computing system, updated
15 in-flight. Yes, I mean, I think that all these
16 examples basically fall under this category.

17 Q Can you turn to page 34 of Exhibit 2002.

18 A 34?

19 Q Yes.

20 A Let me go there.

21 Yes, I am there.

22 Q Specifically at line 5.

1 A Yes.

2 Q There is a sentence there that starts,
3 "The permissions are preferably retrieved for the
4 airspace identifier from the permissions module
5 103, (e.g., remote computing system, onboard
6 permissions, et cetera)."

7 A Yes.

8 Q The use of "remote" there in the e.g.
9 parenthetical, remote computing system is
10 distinguishing from being onboard the aerial
11 system?

12 A It's a different context because it's
13 talking about permissions here, which is -- it's
14 another step. You see, we have the
15 authentication, and then we have the permissions,
16 and then we have the action, basically, or the
17 disruption.

18 Q And the use of "remote" in the e.g.
19 parenthetical, what is it remote from? What is it
20 referring to?

21 A Remote from where this activity takes
22 place.

1 Q When it says, "e.g., remote computing
2 system, onboard permissions" -- let me strike
3 that.

4 Is the e.g. referring to where the
5 permissions module is?

6 A The way I understand, this is e.g. remote
7 for the disruption because the permission is
8 related to the disruption module.

9 Q Okay. The sentence says, "The permissions
10 are preferably retrieved from the permissions
11 module (e.g., remote computing system, onboard
12 permissions, et cetera)." Is the e.g. referring
13 to where the permissions module is?

14 MS. L'ESPERANCE: Objection. Asked and
15 answered.

16 A The way I understand, it is actually
17 remote from the discrimination system. I need to
18 look at the figure. I believe it's Figure -- the
19 particular module is one-something. Let me -- let
20 me see -- let me see the figure. Just give me one
21 minute.

22 Q Sure.

1 (Document Review)

2 A Bear with me.

3 Let's go to Figure 1. This is page 44.

4 Do you see the system -- let's make sure.

5 Do you see on the top of Figure 1 it says
6 "110"? The discrimination system includes the
7 drone, the identification system, the permission
8 modules, et cetera.

9 So remote -- to answer your question, the
10 remote in this case is remote from all this system
11 110.

12 Q Okay. Let's go back to page 34.

13 A Yes.

14 Q So when this sentence states, "The
15 permissions are preferably" --

16 A Give me --

17 Q Oh, sure.

18 A Bear with me just one minute.

19 Q Yeah, I'm sorry. Line 5.

20 A You said 34, am I right?

21 Q Page 34, yes.

22 A Yeah.

1 Q At line 5, the sentence we were just
2 looking at earlier, it states, "The permissions
3 are preferably retrieved for the airspace
4 identifier from the permissions module 103 (e.g.,
5 remote computing system, onboard permissions,
6 et cetera)." Do you see that?

7 A I see.

8 Q Is it your opinion that that parenthetical
9 is not giving examples of where the permissions
10 module is?

11 A I'll just repeat what I said, that
12 basically it tells you that this is -- this comes
13 from something that is remote from the 110. It's
14 just giving examples/possibilities for the
15 permissions module. Because then it says, "but
16 can alternatively be dynamically determined, be
17 default permissions, or otherwise determined."

18 So it's a set of options. For example,
19 the permissions module can be part of
20 discrimination system, it can be a remote
21 computer, we can have onboard permissions, or the
22 permission modules can alternatively be

1 dynamically determined. In fact, it can even be a
2 remote computer.

3 Q Let's turn to page 4.

4 A Give me a minute.

5 Yes.

6 Q In line 15 there's a sentence that starts
7 with, "Fourth, in some variations." Do you see
8 that?

9 A Can you please repeat the line?

10 Q 15.

11 A Line 15. Okay. "Fourth," yes.

12 Q Do you want to refresh your memory by
13 reading that sentence to yourself? I'd like to
14 ask you a couple of questions about that sentence.

15 A Do you mind also -- because I'm referring
16 to this, I'm having a couple of tables in my
17 declaration. Do you mind if I look at them just
18 to refresh my memory as well?

19 Q Sure.

20 (Document Review)

21 A I'm trying to put them next to each other.
22 Just give me a minute.

1 Yes.

2 Q What portion of your declaration do you
3 have up?

4 A I'm having Demonstrative 3, after
5 paragraph 75.

6 Q At lines 19 to 20 on page 4 of
7 Exhibit 2002.

8 A Okay. Which lines? Can you repeat,
9 please?

10 Q Really 17 to 20.

11 A Uh-huh.

12 Q Where it states, "wherein the second
13 identifier can function as a" -- and if you go
14 down to line 19, it says, "a second factor
15 identifier for the aerial system 100 (e.g., as a
16 secondary authenticator for the aerial system to
17 prevent tampering and/or identifier reproduction."
18 Do you see that?

19 A I see.

20 Q Here the specification is stating that the
21 second factor identifier can act as a secondary
22 authenticator for the aerial system?

1 A One of the options mentioned, yes.

2 Q And that can be done to prevent tampering
3 or identifier reproduction?

4 A As stated here, yes.

5 Q I'd like to go back to your declaration,
6 which is Exhibit 2005, specifically at -- starting
7 at paragraph 72?

8 A Paragraph 72, you mentioned?

9 Q Yes.

10 A Yes.

11 Q And I'm going to have some questions about
12 generally paragraphs 72 to 78, so feel free to
13 take a look at those if you'd like.

14 A Give me a couple of minutes.

15 Q Sure.

16 (Document Review)

17 A Yes.

18 Q In these paragraphs you walk through
19 various embodiments in the specification with
20 respect to limitation 10.d.

21 A That's correct.

22 Q You specifically discuss Embodiments A, B,

1 and C in paragraphs 73 to 76?

2 A That's correct, by using basically the
3 specification disclosures.

4 Q And then in paragraph 77 you state that
5 Embodiment C can be varied based on Embodiment B
6 to come up with Embodiments D1, D21 and D22?

7 A You mentioned paragraph 77?

8 Q Yes.

9 A That's correct.

10 Q Is it fair that Embodiments described as D
11 are obvious in light of what is described for
12 Embodiments B and C?

13 A Can you repeat the question?

14 Q Sure. Is it fair that Embodiments
15 described as D are obvious in light of what is
16 described for Embodiments B and C?

17 A No, I disagree, I don't believe they are
18 obvious for a POSITA.

19 Q Do you have the Revised Motion to Amend in
20 front of you?

21 A No.

22 Q I will upload it to the Chat. And I'd

1 like to ask some questions about the substitute
2 claim. And so you can refer to anything, but I
3 thought it might be the easiest document to refer
4 to because it includes the entire claim on the
5 page.

6 A Yeah, just give me one minute.

7 May I -- may I just -- just for the
8 record, to be accurate may I say that the POSITA
9 will immediately understand that this obvious.
10 It's not obvious. That the variation is not
11 obvious.

12 Q Okay.

13 A But also, the POSITA will understand that,
14 if you look my whole analysis, the variation is
15 just follow for what is described.

16 So you wanted me to go where next?

17 Q I'd like to ask some questions about
18 substitute claim 10, so I thought the easiest
19 document to look at might be the Revised Motion to
20 Amend because it has the claim on the same -- on
21 one page.

22 A Sure. Can you -- can you put it in the

1 Chat?

2 Q Yes, I did. It's 199 RMTA.

3 A I'm waiting to upload. Give me a minute.

4 Somehow it doesn't upload this. Oh, okay.

5 Yeah, please. I have it in front of me.

6 Q Okay. Can we look at substitute claim 10.

7 The appendix has the entire claim on it.

8 A Do you want me to go to the appendix?

9 Q Sure.

10 A Okay.

11 Q Substitute claim 10 is directed to a
12 discrimination system.

13 A Just a minute, let me go to the appendix.

14 That's correct.

15 Q And the claimed discrimination system
16 includes an identifier transmission system?

17 A That's correct.

18 Q So the identifier transmission system is
19 part of the discrimination system?

20 A That's correct.

21 Q The identifier transmission system is not
22 remote from the discrimination system, correct?

1 A Yes. But the remote system can also be --
2 can also transmit.

3 Q The claimed discrimination system also
4 includes a permission module, correct?

5 A 10.c, yes.

6 Q So the permission module is part of the
7 discrimination system?

8 A That's correct.

9 Q The permission module in this claim is not
10 remote from the discrimination system?

11 A Yes, but it can be.

12 Q It can be but not in this claim?

13 A It can be as part of this claim as well.

14 In this claim -- just let me -- give me a
15 minute to think.

16 Generally it can be, but not as part -- so
17 after looking at the -- the general answer is,
18 yes, it can be, but as part of this particular
19 claim, no.

20 Q 10.a requires that the identifier
21 transmission system be coupled to an unmanned
22 aerial system. Do you see that?

1 A That's correct.

2 Q Does that mean physically coupled?

3 A Yes.

4 MR. WALTERS: Would this be a good time to
5 take a break?

6 THE WITNESS: Sure.

7 MR. WALTERS: And, Counsel, I may be about
8 done for this deposition, so I just wanted to give
9 you a heads-up. So why don't we break -- I'd like
10 to look at my notes. Why don't we break for
11 fifteen minutes.

12 MS. L'ESPERANCE: That sounds good.

13 THE COURT REPORTER: Off the record.

14 (A break was taken from 9:25 a.m. to
15 9:40 a.m.)

16 THE COURT REPORTER: Back on the record.

17 MR. WALTERS: I don't have any further
18 questions for this deposition, so I'll pass the
19 witness.

20 MS. L'ESPERANCE: Suhrid is taking the
21 redirect.

22 MR. WADEKAR: So I -- just give me one

1 minute. We don't have to go off the record or
2 anything.

3 EXAMINATION

4 BY MR. WADEKAR:

5 Q So, Professor Nikolaos, thank you so much
6 for your time today. I just wanted to ask you one
7 question, but before that let's go back to your
8 declaration if you have it. Let's go to
9 paragraph 72. We discussed these paragraphs,
10 paragraph 72 through I believe it was 78. So if
11 you would go, I have a question quickly about
12 those.

13 A Give me a minute.

14 Q Yeah.

15 A You said 70?

16 Q 72 through I believe it is 78. Yeah, 78.
17 And then -- you can also take a look at -- just
18 look at that whole section up to 82. 72 through
19 82.

20 A 72 to 82?

21 Q 72 to 82, yeah. And let me know when
22 you're ready.

1 A Give me a minute.

2 Q Take your time.

3 (Document Review)

4 A Yes.

5 Q So let's quickly go through the
6 demonstratives that you have.

7 So in Demonstrative A you are showing that
8 the aerial system 100 has an identifier
9 transmission system 101; is that correct?

10 MR. WALTERS: Objection. Leading.

11 BY MR. WADEKAR:

12 Q Could you please describe what is shown in
13 Embodiment A?

14 A Aerial system 100, it has an identifier
15 transmission system 101. It includes it. And
16 also this is associated and meets the aerial
17 system identifier 310. This is Embodiment A.
18 It's part of the aerial system 100 UAV.

19 Q Okay. And then I'm going to skip two I
20 guess for now and then I'll move to -- so please
21 go to Embodiment C, and what is -- what is
22 described in that demonstrative?

1 A Now we have a second. So instead of
2 having -- so we have the aerial system 100.

3 Q Uh-huh.

4 A We have the first identifier transmission
5 system. We have the second identifier
6 transmission system. And the first identifier
7 transmission system, which is part of the 100
8 since the first identifier, and the second
9 identifier transmission system sends the second
10 identifier, which is the second factor as part --
11 all of this is part of the aerial system 100.

12 Now, something which is important to say
13 here is actually we may have -- so all these are
14 coupled, okay, basically. But this doesn't mean
15 that we may have identifier transmission system
16 elsewhere extra.

17 Q Okay. So now if you go -- now we can go
18 to Demonstrative 2. What is Demonstrative 2
19 showing?

20 A It shows the aerial system 100 and a
21 remote computer system which is not included
22 within the aerial system 100. It is a remote

1 computer system so it's actually -- it's outside
2 the body. And it has a remote transmitter,
3 because part of the remote system. And this is
4 associated with the omission of a dynamic aerial
5 system identifier as one of the options contained
6 in the disclosure.

7 Q And now if you'd go to Demonstrative 4.

8 A Uh-huh.

9 Q So earlier you were asked a question
10 that -- and I may be paraphrasing, so if you'd
11 like it to be read back from the record we could
12 ask the court reporter to do that, but if I
13 understand correctly, the question asked was would
14 it be obvious to take the embodiments that are
15 disclosed actually in the patent, and then you
16 have presented this Demonstrative 4 which you also
17 call Embodiment D22, would that be obvious? And
18 then if I recall correctly, you said -- the answer
19 was no. So could you -- could you please tell me
20 what do you mean by would not be obvious?

21 A So what I said is actually if we look --
22 if we look the disclosure, the disclosure makes

1 readily available to anyone, to a POSITA in this
2 case, the Embodiment D2. In other words, if
3 follows from whatever is contained in the
4 disclosure, this what I have described here.

5 I can give an example. Think about having
6 a table and having salt and pepper. And you have
7 some fish. Since we are basically in Cyprus, we
8 have a lot of fish. So if the fish -- if you
9 bring the fish, you can use the salt because it's
10 readily available or you can use the salt and the
11 pepper which is both available. So you can use
12 either one or both since these are available.

13 MR. WADEKAR: Okay. I have no further
14 questions. Thank you.

15 MR. WALTERS: I don't have any further
16 questions. This should end the deposition.

17 THE COURT REPORTER: Going off the record.

18 (Time Noted: 9:49 a.m.)
19
20
21
22

1 CERTIFICATE OF SHORTHAND REPORTER

2

3 I, LINDA RUSSELL, Certified Reporter
4 within and for the State of Texas, do hereby
5 certify:

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

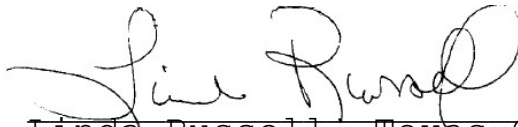
12 I further certify that the adverse party
13 was represented by counsel at the deposition.

14 I further certify that the deposition of
15 NIKOLAOS PAPANIKOLOPOULOS occurred remotely via
16 Zoom videoconference on Tuesday, July 7, 2026,
17 commencing at 8:29 a.m. to 9:49 a.m.

18 I further certify that I am not related
19 to any of the parties to this action by blood or
20 marriage, I am not employed by or an attorney to
21 any of the parties to this action, and that I am
22 in no way interested, financially or otherwise, in

1 the outcome of this matter.

2
3 IN WITNESS WHEREOF, I have hereunto set
4 my hand this 7th of July, 2026.
5

6
7
8 

9 Linda Russell, Texas CSR No. 2965
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Conducted on July 7, 2026

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Transcript of Nikolaos Papanikolopoulos, Ph.D.
Conducted on July 7, 2026

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Re: Deposition of **Nikolaos Papanikolopoulos, Ph.D.**

Date: 7/7/2026

Case: Axon Enterprise, Inc., et al. -v- Airspace Defense, Inc. (PTAB)

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Page	Line	Correction/Change and Reason
7	1	"review" s/b "reviewed" (transcription error)
7	4	"state" s/b "stated" (transcription error)
11	14	"provide" s/b "provides" (transcription error)
14	12	"clarifies" s/b "clarify" (transcription error)
16	14	"foreclose" s/b "foreclose deployment of" (transcription error)
25	19	"part of" s/b "part of the" (transcription error)
30	9	"obvious" s/b "statement" (transcription error)
30	15	"for what" s/b "from what" (transcription error)
35	16	"meets" s/b "transmits" (transcription error)
37	4	"omission" s/b "transmission" (transcription error)
38	2	"if" s/b "it" (transcription error)
38	11	"both" s/b "also" (transcription error)

7/11/2026

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ACKNOWLEDGMENT OF DEPONENT

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

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