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        UNITED STATES PATENT AND TRADEMARK OFFICE
                                                                                         EXHIBITS (CONT)
        BEFORE THE PATENT TRIAL AND APPEAL BOARD
                                                                                        2008 Bathiche Patent
2009 Declaration, '748
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                                                                                              Parrot Exhibits 1011 and 1010
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                          ) Patents 7,584,071
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      DRONE TECHNOLÓGIES, INC , )
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                                                                                        BY MR HOPENFELD
            Patent Owner
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         Deposition of DR RAFFAELLO D'ANDREA
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            Thursday, January 8, 2015
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         The deposition of DR RAFFAELLO D'ANDREA, called
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                                                                                        BY MR HOPENFELD
      as a witness by the Patent Owner, pursuant to notice
                                                                                        BY MR HOPENFELD
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      and Rules 26 and 30 of the Federal Rules of Civil
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                                                                                        BY MR HOPENFELD
      Procedure, and 37 C F R 42 53, pertaining to the
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      taking of depositions, taken before me, the
undersigned, Melissa L Fenster, a Notary Public in
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      and for the Commonwealth of Pennsylvania, at the
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      Offices of Beck & Thomas, P C, 1575 McFarland Road, Suite 100, Pittsburgh, Pennsylvania 15216, commencing
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BY MR HOPENFELD
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            On behalf of the Petitioners:
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             James Hopenfeld, Esquire
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DR. RAFFAELLO D'ANDREA  called as a witness by the Patent Owner, having been first duly sworn, as hereinafter certified, was  deposed and said as follows:  EXAMINATION  BY MR. TABACHNICK:  Q Good morning, Dr. D'Andrea. Am I  pronouncing your name correctly?  A Close enough.  Q How do you pronounce it?  A D'Andrea is the Italian way, but D'Andrea  is fine.  Q When you introduce yourself, do you say  D'Andrea or  A I introduce myself as Raff usually, so.  Q All right. I wouldn't be comfortable  calling you Raff in a  A Whatever you're more comfortable with.  Q So forgive me if I  A That's fine.  Q go with Dr. D'Andrea. Welcome to  Pittsburgh.  A Thank you.  Q My name is Gene Tabachnick. I'm one of the lawyers representing Drone Technologies, Inc. in the	A He sent me an email.  Q And you were in Zurich at the time?  A No. I was in Sochi at the Olympics.  Q What did the email say, do you recall?  A The exact details, of course, I don't recall, but it was along the lines of if was available to participate in a patent litigation case involving  Parrot.  Q Okay. And had you ever participated in a patent litigation case before?  A Not in a patent litigation case, but let's say when was that maybe 15 years ago when I was at Cornell University I was retained by Covington & Burling to go over some patents.  Q To do a technical review?  A Yeah. A technical review, yeah.  Q Did either Mr. Hopenfeld or anybody from Parrot explain why they wanted you to help them with the patent litigation case?  A They asked me if was if I could help them determine the validity of some patents.  Q My question was a little different. I'm going to have the court reporter read it back.  A Sure.  (Last question read back.)



	Page 9		Page 11
1	A Why me in particular, is that	1	within the realm of controlling dynamic systems?
2	Q Yes.	2	A In the realm of control systems.
3	A how I can read that question?	3	Q Of control systems. Did I miss hear you?
4	Q Yes.	4	Did you say dynamic systems or
5	A They felt that I was an expert in the area.	5	A Control, control of dynamic systems, it's
6	Q Did you feel that you were an expert in the	6	very difficult for me to pinpoint the area of what I
7	area?	7	do.
8	A Absolutely.	8	Q Okay. So let me just tell you you're way
9	Q Which area are we talking about, sir?	9	smarter than I am about this stuff so if
10	A Control systems, and specifically how they	10	MR. HOPENFELD: No objection.
11	relate to flying things.	11	Q So if I take a little longer to understand
12	Q To flying things did you say?	12	what you're saying, please bare with me. The other
13	A Yeah.	13	thing is if I don't use the right terminology and I
14	Q Now, when you refer to flying things, what	14	will try, but if I'm not using thing right
15	sort of flying things are you talking about?	15	terminology, then please let me know.
16	A Things that fly. I mean, I don't know what	16	A Sure, sure.
17	more detail you want me to	17	Q If I ask a question and you don't
18	Q Okay. Well, we're not talking about birds,	18	understand it, please
19	right?	19	A Absolutely.
20	A No, no.	20	Q tell me.
21	Q We're not talking about frisbies?	21	A Absolutely.
22	A No.	22	Q And I'll ask it the right way.
23	Q Okay. So we're talking about mechanical	23	Also, you have to wait until I finish
24	devices or electrical devices?	24	speaking before you answer so that the court reporter
25	A Yeah, electromechanical devices.	25	can get down everything that's said.
	,		eun gev ue vin e very uning unive surui.
	Page 10		Page 12
1	Q So airplanes or drones in this case?	1	MR. HOPENFELD: And so I can object, if
2	A Right.	2	necessary.
3	Q Or helicopters?	3	Q But if I ask a question and you answer it,
4	A Right.	4	I'm going to assume that you understood the question.
5	Q Is that where your particular expertise	5	Fair enough?
6	lies?	6	A Yeah.
7	A My expertise is in controlling dynamical	7	Q All right. So you wanted to look at the
8	systems.	8	patents. How many patents were there?
9	Q Dynamical did you say?	9	A Two.
10	A Yeah, controlling dynamical systems.	10	Q And was that the next thing you did? You
11	Q And is that different than controlling	11	looked at the patents?
12	flying things?	12	A I recall that to be the case.
13	A Controlling flying things is one aspect of	13	Q Okay. Mr. Hopenfeld or somebody from
14	controlling things.	14	Parrot sent them to you?
15	Q So when they asked you if you could help	15	A Yes, correct.
16	them with a patent litigation, how did you respond?	16	Q And do you remember what the patents were?
17	A I responded that I may be able to do it and	17	A Yes.
18	that it would depend on I would have to look at the	18	Q They were the two Lee patents?
19	patents in question.	19	A That is correct.
	-	20	Q So patent lawyers tend to refer to patents
20	Q And why did you want to look at the patents		
	in question?	21	by the last three digits.
20			by the last three digits.  A Right.
20 21	in question?	21	·
20 21 22	in question?  A To make sure that I would be able to offer	21 22	A Right.
20 21 22 23	in question?  A To make sure that I would be able to offer an expert opinion. If it was outside of my area of	21 22 23	A Right. Q So one is '071 and one is '748.

	Page 13		Page 15
1	A Exactly.	1	period? Over the next month I have 40 hours? Over
2	Q Okay. And what did you do when you	2	the next 6 months I have 40 hours?
3	reviewed the patents?	3	A What I remember it to be was roughly over
4	A I looked them over to determine if it was	4	the next two or three months.
5	within my area of expertise.	5	Q And did you spend those 40 hours?
6	Q How long did that take?	6	A I believe that I did.
7	A Maybe two hours.	7	Q And did you get paid for the 40 hours?
8	Q Okay. And what did you determine?	8	A I did.
9	A That it was within my realm of expertise.	9	Q And what did you spend the 40 hours doing?
10	Q Meaning that the '071 and '748 patents are	10	A I spent the 40 hours creating the
11	related to controlling dynamic systems?	11	declaration.
12	A That is correct.	12	Q Okay. You actually have two declarations,
13	Q Are they also related to controlling	13	right?
14	dynamic systems, and specifically how they relate to	14	A Right.
15	flying things, such as airplanes and drones?	15	Q And there's some overlaps? I'm not
16	A I would say that they are.	16	imagining it was 20 hours for one declaration and
17	Q So did you report back that it was within	17	20 hours for the other?
18	the realm of your expertise?	18	A That is correct.
19	A That is correct.	19	Q What else did you do other than creating
20	Q Who did you report that to?	20	the declarations?
21	A I believe it was probably James again.	21	A Well, everything related to creating the
22	Q Okay. Have all your interactions in this	22	declarations, so perhaps, you're asking what did
23	matter been with Mr. Hopenfeld, or have you interacted	23	creating the declarations involve?
24	with other folks of the firm Parrot or on Parrot's	24	Q Sure.
25	behalf?	25	A Okay. Creating the declarations involved
	Page 14		Page 16
1	A The only folks I have interacted with are	1	going over the two patents very carefully,
2	James, Tammy Terry, also a lawyer at the firm, and	2	understanding exactly what they said to the best of my
3	some administrative folks for travel-related things.	3	knowledge and to review prior art, and that would be
4	Q Okay. What about any of the technical	4	the bulk of it. That's what I used to create the
5	folks at Parrot?	5	declaration.
6	A No.	6	Q How long do you think you spent going over
7	Q You have never interacted with any of them?	7	the two patents very carefully?
8	A No.	8	A Probably if I were to estimate, four to
9	Q What about the business folks at Parrot,	9	eight hours each.
10	have you ever interacted with any of those?	10	Q And how long do you think you spent
11	A No.	11	reviewing prior art?
12	Q So after you reported back to Mr. Hopenfeld	12	A Probably maybe 10 to 20 hours.
13	that the '071 and '748 patents were within the realm	13	Q Total or each?
14	of your expertise, what happened next?	14	A Total.
15	A I then told them that I was very busy and	15	Q And then did also you spend time actually
16	that I would only be able to do it if certain	16	putting fingers to keyboard or pen to paper?
	conditions were met, like, an estimate of the amount	17 18	A And creating the declaration.
17	a C dimenside amounted de la companya de la citata de la companya	. IX	Q That's all the part of the or was that
18	of time it would take and the timeframe in which all		
18 19	of this would take place.	19	an additional effort?
18 19 20	of this would take place.  Q Okay. Do you recall what you told them in	19 20	an additional effort?  A That was an additional effort.
18 19 20 21	of this would take place.  Q Okay. Do you recall what you told them in terms of estimated amount of time it would take, how	19 20 21	an additional effort?  A That was an additional effort.  Q Okay. How long do you think you spent
18 19 20 21 22	of this would take place.  Q Okay. Do you recall what you told them in terms of estimated amount of time it would take, how much you had available?	19 20 21 22	an additional effort?  A That was an additional effort.  Q Okay. How long do you think you spent putting the declaration together, actually drafting
18 19 20 21 22 23	of this would take place.  Q Okay. Do you recall what you told them in terms of estimated amount of time it would take, how much you had available?  A Yeah. I think I had said something along	19 20 21 22 23	an additional effort?  A That was an additional effort.  Q Okay. How long do you think you spent putting the declaration together, actually drafting it?
18 19 20 21 22	of this would take place.  Q Okay. Do you recall what you told them in terms of estimated amount of time it would take, how much you had available?	19 20 21 22	an additional effort?  A That was an additional effort.  Q Okay. How long do you think you spent putting the declaration together, actually drafting

	Page 17		Page 19
1	all those things of course.	1	A Sure.
2	Q Of course. And did you draft the	2	Q How much time did you spend identifying
3	declaration yourself?	3	prior art that you would review?
4	A I did not do the typing.	4	A I understand your question now. Most of
5	Q Okay. Who did the typing?	5	the prior art was given to me.
6	A Tammy Terry.	6	Q By whom?
7	Q Was she with you doing it?	7	A By James.
8	A Yes.	8	Q Mr. Hopenfeld?
9	Q In Zurich?	9	A Correct.
10	A In Zurich yes.	10	Q And when did he give you the prior art?
11	Q Is she a better typist than you are?	11	A I don't remember.
12	A Yeah.	12	Q Was it before Ms
13	Q Do you recall how long she was with you in	13	A Yes.
14	Zurich?	14	Q Terry came to Zurich?
15	A Yes. 20 hours.	15	A Clearly, yes.
16	Q And was all of that spent doing the typing	16	Q Did you have an opportunity to review the
17	for the declarations?	17	prior art before Ms. Terry came to Zurich?
18	A Was the 20 hours spent doing the typing?	18	A Yes.
19	Q Yes.	19	Q Did you have any issues with any of the
20	A Amongst other things.	20	prior art that Parrot's lawyers provided to you?
21	Q Okay. What other things?	21	A What do you mean by "issues"?
22	A We also created the claim charts.	22	Q I don't think this is relevant. Isn't this
23	Q Anything else?	23	
24	A Not to my recollection.	24	the same as something else? Do I really need to look
25	Q So you and Ms. Terry together or at	25	at all of this? I have a better idea. Any of that?
23	Q 50 you and 1415. Terry together or at	23	A No, not to my recollection.
	Page 18		Page 20
1	least she was doing the manual	1	Q Okay. Were you satisfied that the prior
2	A Right.	2	art provided to you by Parrot's lawyers was sufficient
3	Q effort of typing. You were giving her	3	for you to perform your analysis?
4	the input I presume?	4	A Yes.
5	A Yeah. We were discussing the input,	5	Q And you didn't feel the need to do any
6	correct.	6	independent research?
7	Q And I'm assuming she was giving you	7	A Define independent research.
8	guidance on format and things like that?	8	Q Research independent of what Parrot's
9	A Well, she was taking care of the format.	9	lawyers provided to you?
10	Q So there was typing the declarations and	10	A I had my textbooks that I made references
11	the claim charts. Anything else that you and	11	to.
12	Ms. Terry did together?	12	Q Which textbooks?
13	A No. I don't recall.	13	A Textbooks in my office.
14	Q How much time did you spend doing research	14	Q Can you recall any of those?
15	to identify the prior art that you needed for your	15	A I have many textbooks. I don't recall the
16	analysis?	16	specific one.
17	A I would have included that in the 20 hours	17	Q If my recollection is correct, you included
18	that I did overall.	18	in your declarations a list of references reviewed or
19	Q Okay. So how much time did you spend doing	19	something like that. Did you include the textbooks in
20	the research?	20	that list, do you recall?
21	A I don't remember. I remember the total was	21	A I don't recall. I can certainly have a
22	about 20 hours. I don't remember the it's hard for	22	look at the declarations.
23	me to say	23	Q All right. But if you had relied on the
	· ·		
	Maybe ask your question again	2.4	fextbooks you would have included them so that we
24 25	Maybe ask your question again.  Q Okay. I apologize.	24 25	textbooks, you would have included them so that we would know what you looked at?



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