EXHIBIT 6

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	3-LMB-TCB Doc	ument 1387-6 F	Filed 07/13/22 Pag		
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	se 1:20-cv-00393-LMB-TCB Document 1387	r6 File	ed 07/13/22 Page 3 of 15 PageID# 34605
	633		035
10:07AM 1	Q. What label does Claim 1 of the '911 Patent use for the	10:10AM	Solo the Vuse Solo G2 does not meet the blind hole limitation
10:07AM 2	largest cross-sectional dimension?	10:10AM	_ ·
10:07AM 3	A. Claim 1, and you can see the text down at the bottom	10:10AM	· · · · · · · · · · · · · · · · · · ·
10:07AM 4	where it specifies blind hole, uses the dimension X, and that	10:10AM	
10:07AM 5	dimension X is shown in Figures 3 and 4 of the patent. And	10:10AM	then they add in some additional requirements, but because the
10:07AM 6	again, that's for the claim limitation of the	10:10AM	Vuse Solo does not meet those claim limitations of Claim 1, it
10:08AM 7	0.5-to-1 millimeter range.	10:10AM	cannot infringe Claim 11 and Claim 13.
10:08AM 8	Q. Now, again, assuming that the annular groove in the	10:10AM	Q. All right. So we've been talking this morning so far
10:08AM 9	Solo G2 could be a blind hole as Dr. Abraham contends, how would	10:10AM	about your noninfringement opinions. I'm going to change gears
10:08AM 10	you measure the largest cross-sectional dimension of that space?	10:10AM 1	a little bit and talk about invalidity. I think the jury has
10:08AM 11	A. So you can see on the left-hand view, it's the same view	10:10AM 1	heard a little bit about invalidity in Your Honor's initial
10:08AM 12	in red, that's the dimension that Dr. Abraham is proposing is	10:10AM 1 2	instructions in this case. Did you arrive at an opinion
10:08AM 13	the largest cross-sectional dimension. On the right-hand side	10:10AM 1 3	regarding the invalidity of the '911 Patent?
10:08AM 14	would be in green, would be the proper dimension to measure.	10:10AM 1 4	A. Yes, I did.
10:08AM 15	That's the largest cross-sectional dimension of the annular	10:10AM	Q. If what was your opinion?
10:08AM 16	groove, and that largest cross-sectional dimension would be	10:10AM 16	A. So the '911 Patent is invalid based upon the prior art
10:08AM 17	basically the diameter of that annular groove.	10:11AM 17	that I reviewed and also the prior art as reviewed by a POSA.
10:08AM 18	Q. Now, let's talk some about the actual measurements of	10:11AM 1 8	Remember we talked in the beginning sort of what a POSA
10:08AM 19	what Dr. Abraham alleges is the blind hole in the Solo G2. Did	10:11AM 1 9	patents are written for POSAs, with POSAs in mind, so the POSA
10:08AM 20	Dr. Abraham measure what you just explained is in your opinion	10:11AM 20	would have these given requirements, and so when we analyze
10:08AM 21	the largest cross-sectional dimension?	10:11AM 21	prior art to determine invalidity based on obviousness, for
10:08AM 22	A. He only measured the one on the left, the red. He did	10:11AM 22	example, then we have to read those patents and analyze them
10:08AM 23	not measure what I would call the largest dimension, largest	10:11AM 23	based upon the viewpoint of a POSA.
10:09AM 24	cross-sectional dimension.	10:11AM 24	Q. What did you review as part of your evaluation of the
10:09AM 25	Q. And how did you measure the largest cross-sectional	10:11AM 25	invalidity of the '911 Patent?
	Scott L. Wallace, RDR, CRR, Official Court Reporter		Scott L. Wallace, RDR, CRR, Official Court Reporter
	634		636
10:09AM 1	dimension?	10:11AM	A. So I viewed the '911 Patent, of course, but also the
10:09AM 2	A. So, again, I had the mouthpiece that was cut in half, I	10:11AM	prior art, as well as the file history and the prior art that's
10:09AM 3	was able to measure inside of that annular groove. In addition,	10:11AM	listed in the file history. So prior art is basically, you
10:09AM 4	I had the 3D CAD files to confirm those measurements, and that	10:11AM	know, any patent or any information, really, that existed and
10:09AM 5	measurement was 4 millimeters.	10:11AM	was known before the application date of the '911 Patent. The
10:09AM 6	Q. And is the measurement of 4 millimeters within the	10:11AM	application date of the '911 Patent was December of 2010, so any
10:09AM 7	required dimensional range of .5 millimeters to 1 millimeter in	10:11AM	, patent that was issued or applied for before that and/or any
10:09AM 8	the '911 Patent claims?	10:12AM	other marketing materials or, you know, Websites, even
10:09AM 9	A. No. Again, it's almost four times larger than the	10:12AM	newspapers other people may not read newspapers anymore, but
10:09AM 10	maximum claim of 0.5 and 1 millimeter.	10:12AM 1	in 2010 certainly they were published much more widely
10:09AM 11	Q. Please summarize your opinion regarding whether the Vuse	10:12AM 1	publicized, and even products, so if you can prove that the
10:09AM 12	Solo GT infringes Claim 1 of the '911 Patent.	10:12AM 12	product existed from 2010, before the patent was applied for,
10:09AM 13	A. So the Vuse Solo 2, again, it does not have a blind hole,	10:12AM 13	and had the same features or technology, then that would
10:09AM 14	it has an annular groove, so it doesn't meet that claim	10:12AM 1 4	invalidate the patent due to obviousness.
10:09AM 15	limitation.	10:12AM	Primarily, what I'll show you today, though, is there are
10:09AM 16	In addition, if we take and measure the largest	10:12AM 16	going to be patents that are the information that's more
10:09AM 17	dimension, largest cross-examinational dimension, it does not	10:12AM 17	, easily to rely upon just because the dates are more easy to
10:09AM 18	fall within the range of 0.5 and 1 millimeter. In fact, it's	10:12AM 1 8	verify.
	almost it's four times larger than the maximum dimension	10:12AM	Q. Does Dr. Abraham dispute that the references you're going
10:09AM 19		10:12AM 2	to talk about today are prior art to the '911 Patent?
10:09АМ 19 10:09АМ 20	allowed.		A. No, I don't believe so.
	allowed. Q. Did you also consider whether the Vuse Solo G2 infringes	10:12AM 21	A. No, I don't believe so.
10:09AM 20		10:12AM 21	-
10:09АМ 20 10:09АМ 21	Q. Did you also consider whether the Vuse Solo G2 infringes		Q. In forming your opinions about invalidity, did you
10:09АМ 20 10:09АМ 21 10:10АМ 22	Q. Did you also consider whether the Vuse Solo G2 infringes Claims 11 and 13 of the '911 Patent?	10:12AM 22	Q. In forming your opinions about invalidity, did you consider that from the view of a person having ordinary skill in
10:09AM 20 10:09AM 21 10:10AM 22 10:10AM 23 10:10AM 24	 Q. Did you also consider whether the Vuse Solo G2 infringes Claims 11 and 13 of the '911 Patent? A. I did, yes, similarly to the Alto. Q. And what was your opinion with respect to those claims? 	10:12AM 22	Q. In forming your opinions about invalidity, did you consider that from the view of a person having ordinary skill in
10:09AM 20 10:09AM 21 10:10AM 22 10:10AM 23 10:10AM 24	 Q. Did you also consider whether the Vuse Solo G2 infringes Claims 11 and 13 of the '911 Patent? A. I did, yes, similarly to the Alto. Q. And what was your opinion with respect to those claims? 	10:12AM 22	Q. In forming your opinions about invalidity, did you consider that from the view of a person having ordinary skill in
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	Ca	tse 1:20-cv-00393-LMB-TCB Document 1387	<mark>6 File</mark>	ed 0	7/13/22 Page 4 of 15 PageID# 34606
10:22AM	1	of liquid aerosol condensate from the aerosol-generating	10:24AM	ey	eballs looking at the ends of devices?
10:22AM	2	systems?	10:24AM 2	Α .	Yes.
10:22AM	3	A. Yes, it is. That cavity is designed to capture the	10:24AM 3	3 Q.	So, if you were to use those eyeballs on your slide,
10:22AM	4	condensate.	10:25AM	wh	nere would they be pointing?
10:22AM	5	Q. Does Hahn's cavity collect liquid condensate formed from	10:25AM	Б А.	So the eyeballs would be sort of where the B1 letter is,
10:23AM	6	the aerosol-forming substrate?	10:25AM	i an	d they'd be pointing to the left.
10:23AM	7	A. It does, yes. The language, they're talking about the	10:25AM 7	'Q.	What does that indicate?
10:23AM	8	smaller drips forming the larger drips, condensing into larger	10:25AM	З A.	That was just trying to indicate that the blind holes are
10:23AM	9	drips, and being captured in the cavity.	10:25AM) no	ot visible, meaning the closed end would not be visible on the
10:23AM	10	Q. What's aerosol-forming substrate?	10:25AM 10) rig	ght-hand side of the mouthpiece.
10:23AM	11	A. Aerosol-forming substrate is just e-liquid, basically, so	10:25AM 11	Q.	If Hahn's cavity is considered a blind hole as Philip
10:23AM	12	the liquid that's being vaporized.	10:25AM 12	. Mo	prris contends, does that blind hole have a longitudinal
10:23AM	13	Q. All right. Let's look at limitation C in Claim 1 of the	10:25AM 13	dir	rection extending between the open end and the closed end that
10:23AM	14	'911 Patent, Claim 1. Now, you testified earlier that Han	10:25AM 14	yo	u just identified?
10:23AM	15	discloses a cavity, right?	10:25AM 15	Б А.	It does, yes, so the longitudinal direction would travel
10:23AM	16	A. That's correct.	10:25AM 16	i fro	om the open end to the closed end, so basically on the screen
10:23AM	17	Q. And you understand that Philip Morris's position is that	10:25AM 17	/ it	would be along the axis from the left to the right.
10:23AM	18	an annular groove can be a blind hole, right?	10:25AM 18	Q.	Now, let's look at claim limitation D in Claim 1. Does
10:23AM	19	A. I understand that is, yes.	10:25AM 19	Ha	an disclose all the requirements of limitation D of Claim 1 of
10:23AM	20	Q. Do you agree with that?	10:25AM 20) the	e '911 Patent?
10:23AM	21	A. I do not.	10:25AM 21	Α.	It doesn't. Han does not have any dimensional
10:23AM	22	Q. But if the '911 Patent claims cover an annular groove,	10:25AM 22	re	quirement for the size of the blind hole.
10:23AM	23	like Philip Morris contends, how would that affect your	10:25AM 23	3 Q.	So Han doesn't say anything about the size of the blind
10:23AM	24	invalidity opinions?	10:26AM 24	ho	le that is in the mouthpiece?
10:23AM	25	A. So, again, the Han Patent reveals an annual groove, or	10:26AM 25	јА.	It doesn't have any specific dimensions for that blind
		Scott L. Wallace, RDR, CRR, Official Court Reporter			Scott L. Wallace, RDR, CRR, Official Court Reporter
		646			648
10:23AM	1	646 cavity, but if we make the assumption that Philip Morris's	10:26AM 1	ho	648 Die.
10:23AM 10:23AM	1 2		10:26AM 1 10:26AM 2		le.
	-	cavity, but if we make the assumption that Philip Morris's		2 Q.	le.
10:23AM	2	cavity, but if we make the assumption that Philip Morris's contention that the blind hole is the same as annular groove,	10:26AM 2	Q .	De. Now, you mentioned earlier that you had designed cigarettes, right?
10:23AM 10:23AM	2 3 4	cavity, but if we make the assumption that Philip Morris's contention that the blind hole is the same as annular groove, you can see that in Figure 1 on the Han Patent it reveals also a	10:26AM 2 10:26AM 3	2 Q. 8 e-0 4 A.	 Now, you mentioned earlier that you had designed cigarettes, right? Yes.
10:23AM 10:23AM 10:24AM	2 3 4 5	cavity, but if we make the assumption that Philip Morris's contention that the blind hole is the same as annular groove, you can see that in Figure 1 on the Han Patent it reveals also a blind hole, which would meet the limitation of it would tie	10:26AM 2 10:26AM 3 10:26AM 4	2 Q. 8 e-0 4 A. 5 Q.	 Now, you mentioned earlier that you had designed cigarettes, right? Yes.
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10:23AM 10:23AM 10:24AM 10:24AM 10:24AM	2 3 4 5 6	cavity, but if we make the assumption that Philip Morris's contention that the blind hole is the same as annular groove, you can see that in Figure 1 on the Han Patent it reveals also a blind hole, which would meet the limitation of it would tie in with the limitation requirement highlighted in C there. Q. If Hahn's cavity that we see on the screen here is	10:26AM 2 10:26AM 3 10:26AM 4 10:26AM 5 10:26AM 6	2 Q. 8 e-0 1 A. 5 Q. 5 wo 7 A.	 Now, you mentioned earlier that you had designed cigarettes, right? Yes. During your work designing e-cigarettes, have you ever brked on designing blind holes in those devices? Blind cavities, annular grooves, blind holes, yes.
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10:23AM 10:23AM 10:24AM 10:24AM 10:24AM 10:24AM 10:24AM	2 3 4 5 6 7 8 9 10	 cavity, but if we make the assumption that Philip Morris's contention that the blind hole is the same as annular groove, you can see that in Figure 1 on the Han Patent it reveals also a blind hole, which would meet the limitation of it would tie in with the limitation requirement highlighted in C there. Q. If Hahn's cavity that we see on the screen here is considered a blind hole, as Philip Morris contends, does that blind hole have an open end as required by the claim? A. It does, yes. On the left-hand side of Figure 1 would be 	10:26AM 2 10:26AM 3 10:26AM 4 10:26AM 5 10:26AM 6 10:26AM 7 10:26AM 8 10:26AM 8	2 Q. 8 e-0 5 Q. 5 Wo 7 A. 8 Q. 9 Sol 9 A.	 Now, you mentioned earlier that you had designed cigarettes, right? Yes. During your work designing e-cigarettes, have you ever orked on designing blind holes in those devices? Blind cavities, annular grooves, blind holes, yes. Have you had experience in determining how you might size me of those parts of an e-cigarette in your work?
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	Ca	se 1:20-cv-00393-LMB-TCB Document 1387	-6 File	d 07/13/22 Page 5 of 15 PageID# 34607
	ou		0 1 110	651
10:27AM	1	1 millimeter.	10:29AM 1	that's revolved. There's also, more specifically, something
10:27AM	2	Q. Now, before the '911 Patent, was there a patent that	10:29AM 2	called a torus, which is really what a doughnut would be shaped
10:27AM	3	disclosed a preferred size for a smokeless cigarette?	10:30AM 3	like, meaning that's a round cross-section that's been revolved.
10:27AM	4	A. There was, yes, there was a Shimizu patent.	10:30AM 4	Q. Does Dr. Abraham contend that the Vuse Solo product has a
10:27AM	5	Q. And what does the	10:30AM 5	toroidal shape?
10:27AM	6	MR. MAIORANA: For the record, that's RX 1224.	10:30AM 6	A. He does, yes.
10:27AM	7	BY MR. MAIORANA:	10:30AM 7	Q. And what part of the mouthpiece is he talking about?
10:27AM	8	Q. What does Shimizu disclose?	10:30AM 8	A. So the annual groove that's in the mouthpiece he contends
10:27AM	9	A. Shimizu discloses a preferable outer diameter for the	10:30AM 9	is a toroidal shape.
10:27AM	10	device of 7 to 15 millimeters, and the reason why Shimizu	10:30AM 10	Q. So if you assume for purposes of your analysis that the
10:27AM	11	mentions that to make the device more portable and also to make	10:30AM 11	annular groove in the Solo G2 product could be a toroidal shape,
10:27AM	12	the device sort of replace cigarettes, meaning to look like or	10:30AM 12	does the Han Patent disclose that?
10:27AM	13	be to look like an actual cigarette.	10:30AM 13	A. Yes, it does. So you can see the shape of the cavity
10:28AM	14	Q. Please summarize for the jury your opinion regarding	10:30AM 14	shown on the right-hand side that's highlighted in yellow on
10:28AM	15	invalidity of Claim 1?	10:30AM 15	Figure 1. That is in other figures for Han it shows the
10:28AM	16	A. So the '911 Patent is invalid. It would have been	10:30AM 16	device as being round, so, again, this cavity would be similar
10:28AM	17	obvious to a person of skill in the art or a person in industry	10:30AM 17	to what's shown in Figures 5 and 6 in the '911 Patent, and that
10:28AM	18	that the prior art existed that would make each one of these	10:30AM 18	would be interpreted to be a cavity.
10:28AM	19	claim requirements obvious at the time of the filing date of	10:30AM 19	Q. Would Claim 13 have been obvious to a person of ordinary
10:28AM	20	2010, December.	10:31AM 20	skill in the art?
10:28AM	21	Q. Now, we talked about so far on invalidity, we've	10:31AM 21	A. It would, yes.
10:28AM	22	talked about Claim. Did you look at the dependent claims with	10:31AM 22	Q. Let's talk about dependent Claim 2. What additional
10:28AM	23	respect to validity?	10:31AM 23	requirement does dependent Claim 2 of the '911 Patent add to
10:28AM	24	A. Yes, I did.	10:31AM 24	Claim 1?
10:28AM	25	Q. All right. Let's look at dependent Claim 11. What	10:31AM 25	A. So dependent Claim 2 adds the requirement of having a
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		Scott L. Wallace, RDR, CRR, Official Court Reporter		Scott L. Wallace, RDR, CRR, Official Court Reporter
		650		Scott L. Wallace, RDR, CRR, Official Court Reporter 652
10:28AM	1	·	10:31AM 1	
10:28AM 10:28AM	1 2	650	10:31AM 1 10:31AM 2	652
	1 2 3	650 additional requirement does dependent Claim 11 add to	_	652 capillary material. Remember we talked about capillary action,
10:28AM	-	650 additional requirement does dependent Claim 11 add to independent Claim 1?	10:31AM 2	652 capillary material. Remember we talked about capillary action, and capillary materials, and in this case it's saying to add a
10:28AM 10:28AM	-	650 additional requirement does dependent Claim 11 add to independent Claim 1? A. So, again, as we talked about, these are all the	10:31AM 2 10:31AM 3	652 capillary material. Remember we talked about capillary action, and capillary materials, and in this case it's saying to add a capillary material, which means a material that would be sort of
10:28AM 10:28AM 10:28AM	3 4	650 additional requirement does dependent Claim 11 add to independent Claim 1? A. So, again, as we talked about, these are all the dependent claims, right, so they require all of the requirements	10:31AM 2 10:31AM 3 10:31AM 4	652 capillary material. Remember we talked about capillary action, and capillary materials, and in this case it's saying to add a capillary material, which means a material that would be sort of spongelike, a material that would actually absorb material
10:28AM 10:28AM 10:28AM 10:28AM	3 4 5	650 additional requirement does dependent Claim 11 add to independent Claim 1? A. So, again, as we talked about, these are all the dependent claims, right, so they require all of the requirements of Claim 1 and then they add on additional feature or	10:31AM 2 10:31AM 3 10:31AM 4 10:31AM 5	652 capillary material. Remember we talked about capillary action, and capillary materials, and in this case it's saying to add a capillary material, which means a material that would be sort of spongelike, a material that would actually absorb material inside the cavity.
10:28AM 10:28AM 10:28AM 10:28AM 10:28AM	3 4 5 6	650 additional requirement does dependent Claim 11 add to independent Claim 1? A. So, again, as we talked about, these are all the dependent claims, right, so they require all of the requirements of Claim 1 and then they add on additional feature or technology. For Claim 11, it's adding in the requirement of	10:31AM 2 10:31AM 3 10:31AM 4 10:31AM 5 10:31AM 6	652 capillary material. Remember we talked about capillary action, and capillary materials, and in this case it's saying to add a capillary material, which means a material that would be sort of spongelike, a material that would actually absorb material inside the cavity. Q. Does Han disclose anything about capillary material in in
10:28AM 10:28AM 10:28AM 10:28AM 10:28AM 10:28AM	3 4 5 6 7	650 additional requirement does dependent Claim 11 add to independent Claim 1? A. So, again, as we talked about, these are all the dependent claims, right, so they require all of the requirements of Claim 1 and then they add on additional feature or technology. For Claim 11, it's adding in the requirement of electric heater.	10:31AM 2 10:31AM 3 10:31AM 4 10:31AM 5 10:31AM 6 10:31AM 7	652 capillary material. Remember we talked about capillary action, and capillary materials, and in this case it's saying to add a capillary material, which means a material that would be sort of spongelike, a material that would actually absorb material inside the cavity. Q. Does Han disclose anything about capillary material in in his cavity?
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