

Exhibit 1245

1 UNITED STATES PATENT AND TRADEMARK OFFICE
2 BEFORE THE PATENT TRIAL AND APPEAL BOARD

3 TAIWAN SEMICONDUCTOR Patent No. 7,808,184
4 MANUFACTURING COMPANY, IPR 2014-00803
LTD., et al., -- joined with --
IPR 2014-00858
5 Petitioners, IPR 2014-00996
IPR 2014-01061

6
7 vs.

8 ZOND, LLC, INC., Patent No. 7,808,184
IPR 2014-00799
-- joined with --
9 Patent Owner. IPR 2014-00855
IPR 2014-00955
10 IPR 2014-01042

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15 VIDEOTAPED DEPOSITION OF LARRY D. HARTSOUGH, Ph.D.
16 Berkeley, California
17 Wednesday, February 11, 2015
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24 REPORTED BY:
TAVIA MANNING, CSR No. 13294, CLR, CCRR, RPR
25 JOB NO. 90256

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February 11, 2015
9:07 A.M.

Deposition of LARRY D. HARTSOUGH, Ph.D.,
taken on behalf of Petitioners at 200
Marina Boulevard, Berkeley, California,
before Tavia Manning, Certified Shorthand
Reporter No. 13294, Certified LiveNote
Reporter, California Certified Realtime
Reporter, Registered Professional Reporter.

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APPEARANCES:

FOR TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY,
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-- and --

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1 APPEARANCES (CONTINUED):

2
3 FOR THE PATENT OWNER ZOND, LLC:
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5 BY: DAVID RADULESCU, PH.D., ESQ.
6 TIGRAN VARDANIAN, ESQ.
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9 New York, NY 10118

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14
15 Also present: Sean McGrath, Videographer

16
17 ***

1 TSMC North America.

2 MR. HUH: Gregory Huh from Haynes and
3 Boone, LLP, on behalf of TSMC and Fujitsu.

4 MR. McCOMBS: David McCombs, with Haynes
5 and Boone on behalf of TSMC, TSMC North America, and
6 Fujitsu.

7 MR. MAIER: Cosmin Maier, of WilmerHale, on
8 behalf of The Gillette Company.

9 MR. TENNANT: David Tennant, from White &
10 Case, on behalf of GLOBALFOUNDRIES.

11 MR. RISMILLER: Brett Rismiller, with White
12 & Case, on behalf of GLOBALFOUNDRIES.

13 MR. VARDANIAN: Tigran Vardanian, with
14 Radulescu, LLP, on behalf of the patent owners, Zond
15 LLC.

16 And with me is my partner, David Radulescu,
17 also with Radulescu, LLP, on behalf of Zond LLC.

18 MR. FITZPATRICK: Can counsel on the phone
19 please state their names.

20 MR. VU: Yes. This is Robinson Vu, with
21 Baker Botts, for Toshiba.

22 MR. FITZPATRICK: Go ahead.

23 MR. AGARWAL: Okay. This is Pavan Agarwal,
24 at Foley & Lardner, for the Renesas, petitioners.

25 MR. KIM: And this is Rich Kim, with Duane

1 BERKELEY, CALIFORNIA;
2 WEDNESDAY, FEBRUARY 11, 2015; 9:07 A.M.

3
4 THE VIDEOGRAPHER: Good morning.

5 This is the beginning of Disk Number 1 of
6 the videotaped deposition of Larry D. Hartsough,
7 Ph.D., in the matter of Taiwan Semiconductor
8 Manufacturing Company, LTD, et al., versus Zond,
9 LLC, in the U.S. Patent and Trademark Office, before
10 the Patent Trial and Appeal Board, Cases 2014-00799,
11 joined with IPR 2014-00855, IPR 2014-00955, IPR
12 2014-01042, and Case Numbers 2014-00803, joined with
13 IPR 2014-00858, IPR 2014-00996, and IPR 2014-01061.

14 This deposition is being held at 200 Marina
15 Boulevard, Berkeley, California, on February 11th,
16 2015 at approximately 9:08 a.m.

17 My name is Sean McGrath from TSG Reporting,
18 Incorporated, and I'm the legal video specialist.

19 The court reporter is Tavia Manning, in
20 association with TSG Reporting.

21 Will counsel please introduce yourselves,
22 starting with the questioning attorney.

23 MR. FITZPATRICK: Anthony Fitzpatrick, from
24 Duane Morris, LLP, on behalf of petitioners, Taiwan
25 Semiconductor Manufacturing Company, Limited, and

1 Morris, on behalf of the Taiwan Semiconductor
2 defendants -- or petitioners, rather.

3 THE VIDEOGRAPHER: That's it?

4 Will the court reporter please swear in the
5 witness, and we can proceed.

6
7 LARRY HARTSOUGH, Ph.D,
8 having been first duly sworn by the reporter,
9 testified as follows:

10
11 THE WITNESS: Could you please restate your
12 name?

13 MR. FITZPATRICK: Sure. My name is Tony
14 Fitzpatrick.

15 THE WITNESS: Fitzpatrick.

16 MR. FITZPATRICK: Good morning.

17 THE WITNESS: I do have hearing problems
18 you've been made aware of, and so it would help me
19 if you speak up.

20 MR. FITZPATRICK: Sure. Certainly.

21 THE WITNESS: I'll let you know.

22 MR. FITZPATRICK: Yes, please. If at any
23 point you don't fully hear any of my questions,
24 please let me know.

25 THE WITNESS: I will.

EXAMINATION

BY MR. FITZPATRICK:

Q. Do you understand that you've taken an oath to tell the truth today?

A. Yes.

Q. And your answers to my questions will be truthful?

A. Yes.

Q. They will be complete?

A. I will strive to make them complete.

Q. If at any point you don't understand any of my questions, will you please let me know?

A. I will.

Q. If you answer my question, I will assume that you've understood it; is that fair?

A. Yes.

Q. And you understand that if counsel for Zond makes an objection to any question, that you still are required to answer the question, unless they instruct you not to answer it?

A. I understand that.

Q. Have you ingested any medication or anything else that could impair your ability to testify truthfully and completely today?

A. No.

Q. Have you been deposed previously?

A. I have.

Q. On how many occasions?

A. I don't recall the exact number, but it is in my -- it's not on my CV, because I only go back five years in my -- what I provided to you. But, you know, on a number of occasions, probably five or six.

Q. Have you testified in court or before an arbitrator previously?

A. I have testified before an arbitration panel.

Q. On how many occasions?

A. On one.

Q. The occasions on which you were deposed previously, did those all involve expert testimony?

A. In the depositions that I made, I was always testifying as an expert.

Q. And did any of those instances involve technology relating to plasma generation?

A. Yes.

Q. All of them or some of them?

A. Most of them.

I would have to look at the details to recall my earlier ones, but in one form or another

it all dealt with plasma generation.

Q. And did they -- did they -- did any of them relate to magnetron sputtering technology?

A. Well, actually, I have to correct myself, because one of the --

Probably I should look at my CV to remind myself.

But the testimony before the arbitration panel was actually about wafer -- a wafer heating methodology. Although, it was in a sputtering system, it was really a wafer heating and cooling technology, not the sputtering part.

THE VIDEOGRAPHER: Mr. Hartsough, could you move your microphone to your tie or your other lapel?

(Pause in the proceedings.)

THE WITNESS: Do you have a copy of my CV?
BY MR. FITZPATRICK

Q. Well, I'll show you what I do have, which is your declaration.

A. My declaration has a summary of my work experience, but -- yeah.

Q. Why don't I show you what's previously been marked as Zond Exhibit 2015 in IPR proceedings 2014-799 and 2014-803.

Do you recognize this document?

A. I do.

Q. What is it?

A. It is -- excuse me -- my declaration in regard to the U.S. Patent 7,808,184.

Q. And beginning on page 89 of the document, in Appendix A, is that a copy of your CV?

A. Yes.

Q. There's not a listing in this CV --

A. There is not a listing, yeah.

Q. -- of your prior experience testifying in depositions or before an arbitrator; correct?

A. Yes. That's correct.

I had submitted to counsel a qualification, a five-year history of cases and so on, which I presume was made available to your side.

So I don't have the list or the recollection of every single deposition that I made at this time. I just don't recall it all.

Specific cases -- I can -- I can remember that the -- well, actually, I wasn't deposed in the most recent case I had. I have to go back further than that. So it's been a while. I haven't had much depositions in the last five years.

Q. And the testimony that you provided before

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