



**Planet Depos**<sup>®</sup>  
We Make It *Happen*<sup>™</sup>

---

# Transcript of Bruce Smith, Ph.D.

**Date:** August 2, 2017

**Case:** Taiwan Semiconductor Manufacturing Co., LTD -v- Godo Kaisha IP Bridge 1  
(PTAB)

**Planet Depos**  
**Phone:** 888.433.3767  
**Email:** [transcripts@planetdepos.com](mailto:transcripts@planetdepos.com)  
[www.planetdepos.com](http://www.planetdepos.com)

**IP Bridge Exhibit 2040**  
**TSMC v. IP Bridge**  
**IPR2016-01379**  
**Page 00001**

1 UNITED STATES PATENT AND TRADEMARK OFFICE

2 BEFORE THE PATENT TRIAL AND APPEAL BOARD

3 - - - - - x  
4 TAIWAN SEMICONDUCTOR : Cases IPR2016-01376,  
5 MANUFACTURING COMPANY, LTD., : IPR2016-01377,  
6 Petitioner, : IPR2016-01378,  
7 v. : IPR2016-01379  
8 GODO KAISHA IP BRIDGE 1, :  
9 Patent Owner. : Patent 6,197,696

10 - - - - - X

11  
12  
13 Deposition of BRUCE SMITH, Ph.D.

14 Washington, DC

15 Wednesday, August 2, 2017

16 9:06 a.m.

17  
18  
19  
20 Job No.: 153651

21 Pages 1 - 63

22 Reported by: Debra A. Whitehead

1           Deposition of BRUCE SMITH, Ph.D., held at the  
2 offices of:

3  
4           FINNEGAN, HENDERSON, FARABOW,

5           GARRETT & DUNNER, LLP

6           901 New York Avenue, NW

7           Washington, DC 20001-4413

8           (202) 408-4000  
9  
10  
11

12           Pursuant to notice, before Debra A. Whitehead, an  
13 Approved Reporter of the United States District Court  
14 and Notary Public of the District of Columbia.  
15  
16  
17  
18  
19  
20  
21  
22

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22

A P P E A R A N C E S

ON BEHALF OF PETITIONER:

JOSHUA L. GOLDBERG, ESQUIRE

J. PRESTON LONG, ESQUIRE

FINNEGAN, HENDERSON, FARABOW,

GARRETT & DUNNER, LLP

901 New York Avenue, NW

Washington, DC 20001-4413

(202) 408-4000

ON BEHALF OF PATENT OWNER:

JAMES L. DAVIS, ESQUIRE

ROPES & GRAY LLP

1900 University Avenue

6th Floor

East Palo Alto, California 94303-2284

(650) 617-4000

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22

C O N T E N T S

EXAMINATION OF BRUCE SMITH, Ph.D.	PAGE
By Mr. Davis	6
By Mr. Goldberg	57

EXHIBITS MARKED IN PRIOR SESSIONS

(Retained by Counsel)

TSMC DEPOSITION EXHIBIT	PAGE
Exhibit 1001 U.S. Patent No. 6,197,696	16
Exhibit 1005 U.S. Patent No. 6,140,226	40
Exhibit 1014 Translation of Japanese Patent No. 10-079371	12
Exhibit 1030 Silicon VLSI Technology, Fundamentals, Practice and Modeling, by Plummer, et al.	55
Exhibit 1031 USLI Technology, Edited by Chang and Sze	24
Exhibit 1049 Declaration of Dr. Bruce W. Smith, Ph.D., in Support of Petitioner's Reply	7

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.