

May 25, 2017

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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LIMITED

Petitioner

v.

GODO KAISHA IP BRIDGE 1

Patent Owner

Case IPR2016-01247/2016-01246
U.S. Patent No. 7,126,174

Reston, Virginia

May 25, 2017

CROSS-EXAMINATION

E. FRED SCHUBERT, Ph.D.

202-220-4158

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1 Cross-Examination of E. FRED SCHUBERT,
2 Ph.D., a witness herein, called for examination by
3 counsel for Petitioner in the above-entitled matter,
4 pursuant to notice, the witness being duly sworn by
5 SUSAN L. CIMINELLI, CRR, RPR, a Notary Public in and
6 for the Commonwealth of Virginia, taken at the
7 offices of Greenblum & Bernstein, P.L.C., 1950
8 Roland Clarke Place, Reston, Virginia, commencing at
9 8:51 a.m.

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1 C O N T E N T S

2 E. FRED SCHUBERT, PH.D. EXAMINATION

3 By Dr. Long 6

4

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7 E X H I B I T S

8 **Exhibits previously marked.

9 IP BRIDGE EXHIBIT NO. PAGE NO.

10 Exhibit 2012 Declaration of

11 E. Fred Schubert, Ph.D. 8

12 Exhibit 2055 Declaration of E. Fred Schubert,

13 Ph.D. in Support of Patent

14 Owner's Response 8

15 Exhibit 1004 (TSMC) Corrected Dr. Sanjay

16 Kumar Banerjee Declaration 139

17

18 TSMC EXHIBIT NO. PAGE NO.

19 Exhibit 1001 (TSMC) U.S. Patent 7,126,174 83

20 Exhibit 1010 (TSMC) U.S. Patent 4,506,434 119

21 Exhibit 1015 (TSMC) U.S. Patent 5,539,229 119

22 Exhibit 1016 (TSMC) U.S. Patent 5,521,422 130

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E X H I B I T S

**Exhibits previously marked.

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Exhibit 1002	Lee reference	143

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