

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.,
Petitioner,

v.

GODO KAISHA IP BRIDGE 1,
Patent Owner.

Case IPR2016-01376
Patent 6,197,696 B1

**PETITIONER'S OBJECTIONS TO PATENT OWNER'S EVIDENCE
SUBMITTED WITH ITS PATENT OWNER'S RESPONSE**

In accordance with 37 C.F.R. § 42.64(b)(1), Petitioner Taiwan Semiconductor Manufacturing Company, Ltd. submits the following list of objections to Patent Owner IP Bridge's Exhibits 2014 through 2019:

| Exhibit Number | Description |
|-----------------------|---|
| 2014 | <i>Influence of reactor wall conditions on etch processes in inductively coupled fluorocarbon plasmas</i> , by M. Schaepkens, et al., J. Vac. Sci. Tech. A 16(4), Jul/Aug 1998. |
| 2015 | <i>Handbook of VLSI Microlithography, Second Edition, Principles, Technology, and Applications</i> , edited by John N. Helbert, Noyes Publications, William Andrew Publishing, LLC, 2001 (excerpted). |
| 2016 | <i>Silicon VLSI Technology Fundamentals, Practice and Modeling</i> , by James D. Plummer, et al., Prentice Hall, 2000 (excerpted). |
| 2017 | <i>Microlithography: Science and Technology</i> , by James R. Sheats and Bruce W. Smith, Marcel Dekker, Inc., 1998 (excerpted). |
| 2018 | <i>Microlithography: Science and Technology, 2nd ed.</i> , by Kazuaki Suzuki and Bruce W. Smith, CRC Press, 2007 (Chapter 12) (excerpted) (Smith Deposition Exhibit 3). |
| 2019 | <i>Microlithography: Science and Technology, 2nd ed.</i> , by Kazuaki Suzuki and Bruce W. Smith, CRC Press, 2007 (Chapter 11) (excerpted) (Smith Deposition Exhibit 9). |

I. Objection to Patent Owner's Exhibits 2014 through 2019—Irrelevant and Non-Probative Evidence

Patent Owner's Exhibits 2014 through 2019 are irrelevant to any material facts at issue in these proceedings, and any probative value Patent Owner may try to assign them is substantially outweighed by their tendency to confuse the issues,

mislead the Board, waste time, and needlessly present cumulative evidence.

Exhibits 2014 through 2019 are therefore inadmissible under Fed. R. Evid. 401, 402, and 403.

Exhibit 2015, which bears a copyright date of 2001, appears to have been published after the date of invention (March 23, 1999, *see* Paper 11, at 19–26). Similarly, Exhibit 2016 bears a copyright date of 2000, and Exhibits 2018 and 2019 each bear copyright dates of 2007, all of which post-date the alleged invention. Exhibits 2015, 2016, 2018, and 2019 thus provide only “impermissible . . . later knowledge about later art-related facts,” *In re Hogan*, 559 F.2d 595, 605 (CCPA 1977), and are inadmissible under Fed. R. Evid. 401, 402, and 403.

Patent Owner has not submitted evidence to establish that Exhibit 2014 or Exhibit 2017 were publicly available at the time of alleged invention, making them inadmissible under Fed. R. Evid. 401, 402, and 403.

Dated: April 21, 2017

Respectfully submitted,

By: /Darren M. Jiron/
Darren M. Jiron
Reg. No. 45,777

Lead Counsel for Petitioner

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), I certify that I served a true and correct copy of the **PETITIONER'S OBJECTIONS TO PATENT OWNER'S EVIDENCE SUBMITTED WITH ITS PATENT OWNER'S RESPONSE** by electronic mail, on this 21st day of April, 2017, on counsel of record for the Patent Owner as follows:

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Dated: April 21, 2017

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