UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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FUJITSU SEMICONDUCTOR LIMITED,
FUJITSU SEMICONDUCTOR AMERICA, INC.,
ADVANCED MICRO DEVICES, INC., RENESAS ELECTRONICS CORPORATION, RENESAS ELECTRONICS AMERICA, INC., GLOBALFOUNDRIES U.S., INC., GLOBALFOUNDRIES DRESDEN MODULE ONE LLC & CO. KG, GLOBALFOUNDRIES DRESDEN MODULE TWO LLC & CO. KG, TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC., TOSHIBA AMERICA INC., TOSHIBA AMERICA INFORMATION SYSTEMS, INC.,
TOSHIBA CORPORATION, and
THE GILLETTE COMPANY,
Petitioners,

v.

ZOND, LLC,
Patent Owner

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IPR2014-00917[1]
Patent 6,085779 B2

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**PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE**

**Claims 7, 9, 20, 21, 38, and 44**

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[1] Cases IPR2014-00828, IPR2014-00829, IPR2014-01073 and IPR2014-01076 have been joined with the instant proceeding.

# TABLE OF CONTENTS

# TABLE OF AUTHORITIES

## Cases

# PETITIONER'S EXHIBIT LIST

April 27, 2015

| Exhibit | Description |
|---|---|
| 1401 | U.S. Patent No. 6,805,779 ("'779 Patent") |
| 1402 | Declaration of Dr. Uwe Kortshagen ("Kortshagen Decl.") |
| 1403 | D.V. Mozgrin, *et al*, High-Current Low-Pressure Quasi-Stationary Discharge in a Magnetic Field: Experimental Research, Plasma Physics Reports, Vol. 21, No. 5, pp. 400-409, 1995 ("Mozgrin") |
| 1404 | A. A. Kudryavtsev and V.N. Skerbov, Ionization relaxation in a plasma produced by a pulsed inert-gas discharge, Sov. Phys. Tech. Phys. 28(1), pp. 30-35, January 1983 ("Kudryavtsev") |
| 1405 | U.S. Patent No. 3,761,836 ("Pinsley") |
| 1406 | U.S. Patent No. 3,514,714 ("Angelbeck") |
| 1407 | U.S. Patent No. 5,753,886 ("Iwamura") |
| 1408 | File History for U.S. Patent No. 6,805,779, Office Action dated February 11, 2004 ("02/11/04 Office Action") |
| 1409 | File History for U.S. Patent No. 6,805,779, Response dated May 6, 2004 ("05/06/04 Response") |
| 1410 | European Patent Application No. 1614136, Response dated July 24, 2007 (07/24/07 Response in EP 1614136) |
| 1411 | J. Vlček, A collisional-radiative model applicable to argon discharges over a wide range of conditions. I: Formulation and basic data, J. Phys. D: Appl. Phys. 22 (1989) pp. 623-631, Printed in the UK |
| 1412 | J. Vlček, A collisional-radiative model applicable to argon discharges over a wide range of conditions. II: Application to low-pressure, hollow-cathode arc and low-pressure glow discharges, J. Phys. D: Appl. Phys. |

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