

Docket No. 076885.0192

UNITED STATES PATENT AND TRADEMARK OFFICE

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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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., AND TOSHIBA CORPORATION.

Petitioner

v.

ZOND, INC.  
Patent Owner

Case No. IPR2014-01070  
U.S. PATENT NO. 6,805,779  
CLAIMS 30-37, 39 and 40  
TITLE: PLASMA GENERATION USING MULTI-STEP IONIZATION

**PETITIONER'S MOTION FOR JOINDER UNDER 35 U.S.C. §315(c) AND  
37 C.F.R. § 42.22 AND § 42.122(b)**

## INTRODUCTION

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., and Toshiba Corporation (collectively, "Petitioner") filed the present petition for *inter partes* review IPR2014-01070 (the "Joint IPR") and hereby move for joinder of the Joint IPR with IPR2014-00828, filed by Taiwan Semiconductor Manufacturing Company, LTD (the "TSMC IPR"). The Joint IPR is identical to the TSMC IPR in all substantive respects, includes identical exhibits, and relies upon the same expert declarant. Fujitsu Semiconductor Limited and Fujitsu Semiconductor America, Inc. (collectively "Fujitsu"), and The Gillette Company and Proctor & Gamble, Inc. (collectively, "Gillette") have filed petitions identical to the TSMC IPR and have likewise moved for joinder with the TSMC IPR. TSMC, Fujitsu, and Gillette do not oppose this motion. Zond declined to take a position at this time.

## BACKGROUND AND RELATED PROCEEDINGS

The Joint IPR and TSMC IPR are among a family of *inter partes* review proceedings relating to seven patents that are being asserted by Zond, Inc.

("Zond") against numerous defendants in the District of Massachusetts: 1:13-cv-11570-RGS (*Zond v. Intel Corp.*); 1:13-cv-11577-DPW (*Zond v. AMD, Inc., et al.*); 1:13-cv-11581-DJC (*Zond v. Toshiba Am. Elec. Comp. Inc.*); 1:13-cv-11625-NMG (*Zond v. Renesas Elec. Corp.*); 1:13-cv-11634-WGY (*Zond v. Fujitsu and TSMC*); and 1:13-cv-11567-DJC (*Zond v. Gillette, Co.*).

In particular, a first complaint in 1:13-cv-11570-RGS (*Zond v. Intel*) was served on defendant Intel Corporation on July 9, 2013. The following table summarizes the dates on which a first complaint was served on Petitioner.

<b>Defendant Group</b>	<b>Case</b>	<b>Service Date of First Complaint</b>
AMD	<i>Zond v. AMD, Inc., et al.</i> , Case No. 1:13-cv-11577-DPW	July 2, 2013
GlobalFoundries	<i>Zond v. AMD, Inc., et al.</i> , Case No. 1:13-cv-11577-DPW	December 5, 2013
Renesas	<i>Zond v. Renesas Elec. Corp.</i> , Case No.1:13-cv-11625-NMG	July 8, 2013
Toshiba	<i>Zond v. Toshiba Am. Elec. Comp. Inc.</i> , Case No.1:13-cv-11581-DJC	July 3, 2013

Accordingly, all petitions for *inter partes* review that have been filed by defendants TSMC, AMD, GlobalFoundries, Renesas, and Toshiba are timely as prescribed by 35 U.S.C. § 315(b).

On April 18, 2014, in 1:13-cv-11570-RGS (*Zond v. Intel*), the Court entered an order granting Intel's Motion to Stay pending *inter partes* review, indicating

that “the Court will benefit from the expert claim analysis of the PTO.” Order Granting Mot. to Stay, Dkt. No. 120.

On June 6, 2014, as clarified on July 22, 2014, in 11:13-cv-11577-DPW (*Zond v. AMD, Inc., et al*), the Court entered an order to administratively stay the case pending conclusion of *inter partes* reviews.

Currently, the family of *inter partes* review proceedings relating to the seven Zond patents (the “Zond IPRs”) consists of the following proceedings:

Patent	TSMC IPRs		Joint IPRs		GlobalFoundries IPRs		Claims
	TSMC Ref	TSMC Filed	Joint Ref	Joint Filed	GF Ref	GF Filed	Claims Challenged
6,805,779	n/a	n/a	n/a	n/a	IPR2014-01073	06/30/14	1-4, 10-15, 17, 18, 24-27 and 29
	n/a	n/a	n/a	n/a	IPR2014-01076	06/30/14	5, 6, 8, 19, 22, 23, and 43
	IPR2014-00828	05/28/14	n/a	n/a	n/a	n/a	30-40
	n/a	n/a	IPR2014-01070	06/30/14	n/a	n/a	30-37, 39, 40
	IPR2014-00829	05/28/14	IPR2014-01072	06/30/14	n/a	n/a	16, 28, 41, 42, 45 and 46
	IPR2014-00917	06/09/14	IPR2014-01074	06/30/14	n/a	n/a	7, 9, 20, 21, 38, and 44
6,806,652	n/a	n/a	n/a	n/a	IPR2014-01089	07/01/14	35
	n/a	n/a	n/a	n/a	IPR2014-01088	07/01/14	1-17
	IPR2014-00861	05/30/14	IPR2014-01066	06/30/14	n/a	n/a	18-34
6,853,142	n/a	n/a	n/a	n/a	IPR2014-01098	07/01/14	40, 41

Petitioner's Motion for Joinder (IPR2014-01070)

	IPR2014-00818	05/27/14	IPR2014-01075	06/30/14	n/a	n/a	1, 3-10, 12, 15, 17-20, 42
	IPR2014-00821	05/27/14	IPR2014-01057	06/27/14	n/a	n/a	2, 11, 13, 14, 16
	IPR2014-00819	05/27/14	IPR2014-01046	06/27/14	n/a	n/a	21, 24, 26-28, 31, 32, 37, 38
	IPR2014-00827	05/28/14	IPR2014-01063	06/30/14	n/a	n/a	22, 23, 25, 29, 30, 33-36, 39, 43
7,147,759	n/a	n/a	n/a	n/a	IPR2014-01086	06/30/14	1, 4, 10-12, 17, 18, 44
	n/a	n/a	n/a	n/a	IPR2014-01087	06/30/14	2, 3, 5-9, 13-16, 19, 41-43, 45
	n/a	n/a	n/a	n/a	IPR2014-01083	06/30/14	40
	IPR2014-00781	05/19/14	IPR2014-01047	06/27/14	n/a	n/a	20, 21, 34-36, 38, 39, 47, 49
	IPR2014-00782	05/19/14	IPR2014-01059	06/27/14	n/a	n/a	22-33, 37, 46, 48, 50
7,604,716	n/a	n/a	n/a	n/a	IPR2014-01099	07/01/14	1-11 and 33
	n/a	n/a	n/a	n/a	IPR2014-01100	07/01/14	12 and 13
	IPR2014-00807	05/23/14	IPR2014-01065	06/30/14	n/a	n/a	14-18 and 25-32
	IPR2014-00808	05/23/14	IPR2014-01067	06/30/14	n/a	n/a	19-24
7,808,184	IPR2014-00799	05/22/14	IPR2014-01042	06/27/14	n/a	n/a	1-5, 11-15
	IPR2014-00803	05/22/14	IPR2014-01061	06/30/14	n/a	n/a	6-10, 16-20
7,811,421	IPR2014-00800	05/22/14	IPR2014-01037	06/30/14	n/a	n/a	1, 2, 8, 10-13, 15-17, 22-25, 27-30, 33, 34, 38, 39, 42, 43, 46-48
	IPR2014-00802	05/22/14	IPR2014-01071	06/30/14	n/a	n/a	9, 14, 21, 26, 35, 37
	IPR2014-00805	05/23/14	IPR2014-01069	06/30/14	n/a	n/a	3-7, 18-20, 31, 32, 36, 40, 41, 44, 45

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