IPR2014-00856 U.S. Patent No. 6,805,779

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

FUJITSU SEMICONDUCTOR LIMITED AND

FUJITSU SEMICONDCUTOR AMERICA, INC.

Petitioner

v.

ZOND, LLC Patent Owner

Case IPR2014-00856 Patent 6,805,779

ZOND LLC'S PATENT OWNER PRELIMINARY RESPONSE PURSUANT TO 37 C.F.R. § 42.107(a)

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3.	The Petitioner Failed To Show That It Would Have Been Obvious To Combine Angelbeck's Gas Laser With The Plasma Treatment Apparatus Of Iwamura			
В.	The Petition failed to demonstrate how the alleged combinations teach every element of the challenged claims			
1.	The combination of Mozgrin, Kudryavtsev and Pinsley does not teach "generating a magnetic field proximate to a volume of ground state molecules to substantially trap electrons proximate to the volume of ground state molecules," as recited in independent claim 30 and as similarly recited in independent claim 40			

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	2.	The combination of Mozgrin, Kudryavtsev and Pinsley does not teach "raising an energy of the metastable atoms so that at least a portion of the volume of metastable atoms is ionized," as recited in independent claim 30 and as similarly recited in independent claim 40	38
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I. INTRODUCTION

The Petitioner has represented in a motion for joinder that this petition "is identical to the Intel IPR2014-00765 in all substantive respects, includes identical exhibits, and relies upon the same expert declarant." Accordingly, based upon that representation, the Patent Owner opposes review on the same basis presented in opposition to Intel's request no. IPR2014-00765, which is repeated below:

The Petitioner has represented in a motion for joinder that this petition "is identical to the Intel IPR2014-00765 in all substantive respects, includes identical exhibits, and relies upon the same expert declarant." Accordingly, based upon that representation, the Patent Owner opposes review on the same basis presented in opposition to Intel's request no. IPR2014-00765, which is repeated below:

The Board should deny the present request for *inter partes* review of U.S. Patent No. 6,805,779 ("the '779 patent") because there is not a reasonable likelihood that the Petitioner will prevail at trial with respect to at least one claim of the '779 patent.¹

¹ 35 U.S.C. § 314(a).

Indeed, there are five different and independent groups of reasons why the Petitioner cannot prevail. First, the reference that is primarily relied upon by the Petitioner (*i.e.*, Mozgrin) was already considered by the Examiner and overcome during the prosecution of the application that led to the issuance of the '779 patent. Indeed, Mozgrin was considered by 6 different examiners and overcome during the prosecution of 9 other patents that are related to the '779 patent over nearly a 10 year period.²

Second, the Petitioner's obviousness rejections are all predicated on the false assumption that a skilled artisan could have achieved the combination of (i) generating a magnetic field proximate to a volume of ground state atoms to substantially trap electrons proximate to the volume of ground state atoms; (ii) generating a volume of metastable atoms from the volume of ground state atoms; and (iii) raising an energy of the metastable atoms so that some of the

² Examiners Douglas Owens, Tung X. Le, Rodney McDonald, Wilson Lee, Don Wong, and Tuyet T. Vo allowed U.S. Patents 7,147,759, 7,808,184, 7,811,421, 8,125,155, 6,853,142, 7,604,716, 6,896,775, 6,896,773, 6,805,779, and 6,806,652 over Mozgrin and Wang over nearly a decade from the time that the application for the '759 patent was filed on 9/30/2002 to the time that the '155 patent issued on 2/28/2012.

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