UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD. and  ${\rm TSMC\ NORTH\ AMERICA\ CORP.}$ 

Petitioner

v.

ZOND, LLC Patent Owner

Case IPR2014-00917 Patent 6,805,779

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



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В.		The Petition failed to demonstrate how the alleged combinations teach every element of the challenged claims
	1.	The combination of Mozgrin, Kudryavtsev, Pinsley, Wells and/or Gruber does not teach "an excited atom source that receives ground state atoms from the feed gas source" as recited in independent claim 1, as similarly recited in independent claim 18, and as required by challenged dependent claims 7, 9, 20, and 21.
	2.	The combination of Mozgrin, Kudryavtsev, Pinsley, Wells and/or Gruber does not teach "the excited atom source comprising a magnet that generates a magnetic field for substantially trapping electrons proximate to the ground state atoms" as recited in independent claim 1, as similarly recited in independent claims 18 and 30, and as required by challenged dependent claims 7, 9, 20, 21, and 38
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	state atoms," As Recited In Independent Claim 1, As Similarly Recited In Independent Claims 18 and 30, And As Required By Challenged Dependent Claims 7, 9, 20, 21, and 38	
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### I. INTRODUCTION

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.<sup>1</sup>

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.<sup>2</sup>

<sup>&</sup>lt;sup>2</sup> 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.



<sup>&</sup>lt;sup>1</sup> 35 U.S.C. § 314(a).

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