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UNITED STATES PATENT AND TRADEMARK OFFICE

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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ASML Netherlands B.V., ASML US Inc., Excelitas Technologies Corp., and  
Qioptiq Photonics GmbH & Co. KG,  
Petitioners

v.

Energetiq Technology, Inc.,  
Patent Owner.

Case IPR2016-00689

**PETITION FOR *INTER PARTES* REVIEW OF  
U.S. PATENT NO. 8,969,841  
CLAIMS 11, 12, and 27-29**

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**I. MANDATORY NOTICES**

**A. Real Parties-in-Interest**

ASML Netherlands B.V., ASML US Inc., Excelitas Technologies Corp., and Qioptiq Photonics GmbH & Co. KG (“Petitioners”) are the real parties-in-interest.

**B. Related Matters**

U.S. Patent No. 8,969,841 (“the ’841 patent,” Ex. 1301) is one member of a patent family of continuation and continuation in part applications. Exhibit 1302 shows the U.S. members of this patent family and the relationships among them. Petitioners have already filed two petitions seeking *inter partes* review of claims 1-3, 7, 10, 13, and 14 of the ’841 patent. On November 30, 2015, the Board instituted an *inter partes* review on claims 1-3 and 7; the other petition remains pending. (See Case No. IPR2015-01362 (PTAB Nov. 30, 2015)(Paper 12); Case No. IPR2016-00127 (pending)). Petitioners are also seeking *inter partes* review of related U.S. Patent Nos. 7,435,982 (“the ’982 patent”); 7,786,455 (“the ’455 patent”); 8,309,943 (“the ’943 patent”); 8,525,138 (“the ’138 patent”); 9,048,000 (“the ’000 patent”); and U.S. Patent No. 9,185,786 (“the ’786 patent”) in Case Nos. IPR2015-01300, IPR2015-01303, IPR2015-01377, IPR2016-00583, IPR2016-00584, IPR2016-00585, IPR2015-01279, IPR2016-00570, IPR2016-00575, IPR2015-00576, IPR2016-00578, IPR2016-00579, IPR2015-01277, IPR2016-00554, IPR2016-00556, IPR2016-00555, IPR2015-01368, IPR2016-

00565, IPR2016-00566, IPR2015-01362, IPR2016-00127, IPR2015-01375, IPR2016-00126, IPR2016-00771, and IPR2016-00776. The status of the other proceedings is summarized in Ex. 1313.

Petitioners may also file additional petitions on the '841, '000, and '786 patents. Petitioners request that the *inter partes* reviews of all these patents be assigned to the same Panel for administrative efficiency.

The following litigation matters would affect or be affected by a decision in this proceeding: *Energetiq Tech., Inc. v. ASML Netherlands B.V.*, No. 1:15-cv-10240-LTS (D. Mass.) and *In the Matter of Certain Laser-Driven Light Sources, Subsystems Containing Laser-Driven Light Sources, and Products Containing Same*, Inv. 337-TA-983 (U.S. International Trade Commission).

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