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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., EXCELITAS TECHNOLOGIES CORP., AND QIOPTIQ  
PHOTONICS GMBH & CO. KG,  
Petitioners

v.

ENERGETIQ TECHNOLOGY, INC.,  
Patent Owner.

Case IPR2016-00579

**PETITION FOR *INTER PARTES* REVIEW OF  
U.S. PATENT NO. 7,786,455  
CLAIMS 28-34**

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**I. MANDATORY NOTICES**

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

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

**B. Related Matters**

U.S. Patent No. 7,786,455 (“the ’455 patent,” Ex. 1501) is one member of a patent family of continuation, continuation in part, and divisional applications. Exhibit 1502 shows the U.S. members of this patent family and the relationships among them. Petitioners have already filed petitions seeking *inter partes* review of the ’455 patent, and of related U.S. Patent Nos. 7,435,982 (“the ’982 patent”); 8,309,943 (“the ’943 patent”); 8,525,138 (“the ’138 patent”); 8,969,841 (“the ’841 patent”); and 9,048,000 (“the ’000 patent”), as summarized below:

<b>Patent No.</b>	<b>IPR No.</b>	<b>Challenged Claims</b>	<b>Status</b>
7,435,982	IPR2015-01300 IPR2015-01303	1, 3-4, 10, 16, 21, 24-27, 30, 31, 34, 37, 42-43, 49, 55, 61-64, 67, 68, 71, 72, 74, and 78	Instituted on all challenged claims
7,435,982	IPR2015-01377	23 and 60	Instituted on all challenged claims
7,786,455	IPR2015-01279	19, 39-41	Instituted on all challenged claims
8,309,943	IPR2015-01277	1, 3, 13, and 16	Instituted on all challenged claims
8,525,138	IPR2015-01368	1-5	Instituted on all challenged claims
8,969,841	IPR2015-01362	1, 2, 3, and 7	Instituted on all

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Petition for *Inter Partes* Review

			challenged claims
8,969,841	IPR2016-00127	10, 13, 14	Pending
9,048,000	IPR2015-01375	1, 15, and 18	Instituted on all challenged claims
9,048,000	IPR2016-00126	7-10	Pending

Petitioners are also filing additional petitions on the '455, '982, '943, '138, '841, and '000 patents, as well as on the related U.S. Patent No. 9,185,786 ("the '786 patent"). Petitioners request that the *inter partes* reviews of all the '455, '982, '943, '138, '841, '000, and '786 patents be assigned to the same Board 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., et al*, Civil Action 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. No. 337-TA-983.

**C. Counsel**

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