

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:	Smith et. al.	GROUP NO.:	Not yet assigned
APPLICATION NO.:	Not yet assigned	EXAMINER:	Not yet assigned
FILING DATE:	Herewith	CONF. NO.:	Not yet assigned
TITLE:	Laser-Driven Light Source		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Madam:

In accordance with the provisions of 37 C.F.R. § 1.98(d) copies of the references are not enclosed as these references were previously cited by or submitted to the U.S. Patent and Trademark Office in a prior application (U.S. Serial No. 13/024,027; U.S. Serial No. 12/166,918; U.S. Serial No. 11/695,348 and U.S. Serial No. 11/295,523) that is relied upon for an earlier filing date under 35 U.S.C. § 120 and 121.

Submission of any document(s), publication(s) or reference(s) herewith does not imply concession by Applicant(s) to any characterization of the document(s), publication(s) or reference(s) (including any statements therein), and no such concession is made.

Applicants authorize the Commissioner to charge any necessary fees due in connection with the Information Disclosure Statement filed herewith to Deposit Account No. 50-3081.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (check one)

- (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- the requisite Statement is below, **OR**

ASML 1024

- the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- (3) after the mailing date of a final action or notice of allowance but on or before the payment of the issue fee, **AND**
- the requisite Statement is below, **AND**
- the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

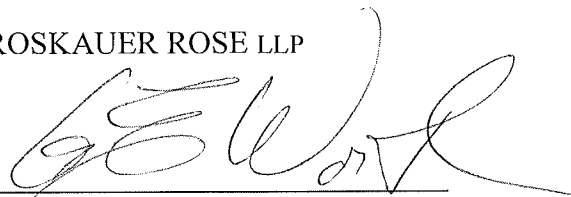
STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that:

1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

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<p>FORM PTO – 1449</p> <p>INFORMATION DISCLOSURE STATEMENT</p>	<p>ATTY DOCKET NO.: EGQ-005CP3C1</p> <p>APPLICANTS: Smith et al.</p> <p>APPLICATION NO.: Not yet assigned</p> <p>FILING DATE: Herewith</p> <p>GROUP: Not yet assigned</p>
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U.S. PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NO.	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	4,088,966	05/09/1978	Samis			
	A2	4,152,625	05/1979	Conrad, Raymond W.			
	A3	4,498,029	02/05/1985	Yoshizawa et al.			
	A4	4,646,215	2/24/1987	Levin et al.			
	A5	6,288,780	09/11/01	Fairley et al.			
	A6	6,417,625	07/09/2002	Brooks et al.			
	A7	6,788,404	09/07/04	Lange			
	A8	6,956,329	10/18/2005	Brooks et al.			
	A9	7,050,149	05/23/2006	Owa et al.			
	A10	7,427,167	09/23/2008	Holder et al.			
	A11	7,429,818	09/30/2008	Chang et al.			
	A12	7,652,430	01/26/2010	Delgado			
	A13	2002/0080834	06/2002	Kusunose, Haruhiko			
	A14	2002/017223	11/2002	Chang et al.			
	A15	2002/0021508	2/21/2002	Ishihara			
	A16	2003/0168982	9/11/2003	Kim			
	A17	2003/0231496	12/18/2003	Sato et al.			
	A18	2004/0026512	02/12/2004	Otsubo			
	A19	2004/0264512	12/30/2004	Hartlove et al.			
	A20	2005/0167618	08/04/2005	Hoshino et al.			
	A21	2006/0039435	02/2006	Cheyamol et al			
	A22	2007/0228300	10/04/2007	Smith, Donald K.			

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	A23	2007/0285921	12/13/2007	Zulim et al.					
	A24	2007/0228288	10/04/2007	Smith, Donald K.					
	A25	2009/0032740	02/05/2009	Smith et al.					
	A26	RE32,626	3/1988	Yoshizawa et al.					
FOREIGN PATENT DOCUMENTS									
EXAM INIT.		DOCUMENT NO.	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	04-144053	05/18/1992	JP				N	Y (abstract only)
	B2	08-299951	11/19/1996	JP				N	Y (abstract only)
	B3	61 193358	08/27/1986	JP				No	Y
	B4	2010/093903	08/19/2010	WO				Yes	Yes
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM INIT.		OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
	C1	Beck, "Simple Pulse Generator for Pulsing Xenon Arcs with High Repetition Rate," <u>Rev. Sci. Instrum.</u> , Vol. 45, No. 2, February, 1974, pp. 318-319.							
	C2	Bussiahn, R., et. al., "Experimental and theoretical investigations of a low-pressure He-Xe discharge for lighting purpose," <u>Journal of Applied Physics</u> , Vol. 95, No. 9, May 1, 2004, pages 4627-4634							
	C3	Carlhoff et al., "Continuous Optical Discharges at Very High Pressure," <u>Physica</u> 103C, 1981, pp. 439-447.							
	C4	Cremers et al., "Evaluation of the Continuous Optical Discharge for Spectrochemical Analysis," <u>Spectrochimica Acta</u> , Vol. 40B, No. 4, 1985, pp. 665-679.							
	C5	Fiedorowicz et al., "X-Ray Emission from Laser-Irradiated Gas Puff Targets," <u>Appl. Phys. Lett.</u> 62 (22), May 31, 1993, pp. 2778-2780.							
	C6	Franzen, "CW Gas Breakdown in Argon Using 10.6- μ m Laser Radiation," <u>Appl. Phys. Lett.</u> , Vol. 21, No. 2, July 15, 1972, pp. 62-64.							
	C7	Generalov et al., "Continuous Optical Discharge," <u>ZhETF Pis. Red.</u> 11, No. 9, May 5, 1970, pp. 302-304.							
	C8	Generalov et al., "Experimental Investigation of a Continuous Optical Discharge," <u>Soviet Physics JETP</u> , Vol. 34, No. 4, April, 1972, pp. 763-769.							

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INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Smith et al.
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	C9	Hamamatsu Product Information, "Super-Quiet Xenon Lamp Super-Quiet Mercury-Xenon Lamp," November, 2005, pp. 1-16.
	C10	Hecht, "Refraction", <u>Optics (Third Edition)</u> , 1998, Chapter 4, pp. 100-101.
	C11	Jeng et al., "Theoretical Investigation of Laser-Sustained Argon Plasmas," <u>J. Appl. Phys.</u> 60 (7), October 1, 1986, pp. 2272-2279.
	C12	Keefer et al., "Experimental Study of a Stationary Laser-Sustained Air Plasma," <u>Journal of Applied Physics</u> , Vol. 46, No.3, March, 1975, pp. 1080-1083.
	C13	Keefer, "Laser-Sustained Plasmas," <u>Laser-Induced Plasmas and Applications</u> , published by Marcel Dekker, edited by Radziemski et al., 1989, pp. 169-206.
	C14	Kozlov et al., "Radiative Losses by Argon Plasma and the Emissive Model of a Continuous Optical Discharge," <u>Sov. Phys. JETP</u> , Vol. 39, No. 3, September, 1974, pp. 463-468.
	C15	Kozlov et al., "Sustained Optical Discharges in Molecular Gases," <u>Sov. Phys. Tech. Phys.</u> 49(11), November, 1979, pp. 1283-1287.
	C16	Moody, "Maintenance of a Gas Breakdown in Argon Using 10.6- μ cw Radiation," <u>Journal of Applied Physics</u> , Vol. 46, No. 6, June, 1975, pp. 2475-2482.
	C17	Nakr, "Radiometric Characterization of Ultrahigh Radiance Xenon Short-arc Discharge Lamps", <u>Applied Optics</u> , Vol. 47, No. 2, January 9, 2008, Pages 224-229
	C18	Raizer, "Optical Discharges," <u>Sov. Phys. Usp.</u> 23(11), Nov., 1980, pp. 789-806.
	C19	Wilbers et al., "The Continuum Emission of an Arc Plasma," <u>J. Quant. Spectrosc. Radiat. Transfer</u> , Vol. 45, No. 1, 1991, pp. 1-10.
	C20	Wilbers et al., "The VUV Emissivity of a High-Pressure Cascade Argon Arc from 125 to 200 nm," <u>J. Quant. Spectrosc. Radiat. Transfer</u> , Vol. 46, 1991, pp. 299-308.
EXAMINER		DATE CONSIDERED