n102642797	anal documents or copy thereof.
2.NAME AND ADDRESS OF RECEI	VING PARTY(IES).
EUV,L.L.C. Mail Stop: SC1-02 2200 Mission College Blvd. Santa Clara, CA 95054	
Additional name(s) and addre	ess(es)
attached? Yes _X_ No	£2
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	2.NAME AND ADDRESS OF RECEINGEUV,L.L.C. Mail Stop: SC1-02 2200 Mission College Blvd. Santa Clara, CA 95054 Additional name(s) and address attached? Yes _X_ No ASSIGNMENT SECURITY AGREEMENT MERGER CHANGE OF NAME OTHER COGETHER WITH A NEW APPLICATION Ch 12, 1996 Ober 5, 1999 TUARY 29, 2000 15, 2001

PATENT REEL: 014852 FRAME: 0712

Title: ADJUSTABLE BORE CAPILLARY DISCHARGE

Patent No. 6,576,917 Issued: June 10, 2003 Docket: UCF-221

ASSIGNMENT

As a below named Assignee of an invention entitled: ADJUSTABLE BORE CAPILLARY DISCHARGE for which a United States Patent No. 6,576,917 was issued June 10, 2003; and

WHEREAS, EUV, L.L.C, an industry consortium, having its principal office and place of business in the City of Santa Clara, State of California, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said EUV, L.L.C, its successor, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said invention, and the said patent, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said EUV, L.L.C, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said EUV, L.L.C, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisionals, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said EUV, L.L.C, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Assignee of Record of the entire interest: University of Central Florida

The Undersigned (whose title appears below) is empowered to sign on behalf of the assignee.

M. I. Solleau

Vice President for Research University of Central Florida

State of Florida)

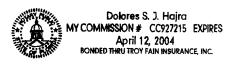
County of Orange) SS:

Before me personally appeared said M. J. Soileau and acknowledge the foregoing instrument to be his free act and

deed this 54h day of January, 2004.

Seal:

Notary Public) Harra



Title: DEBRIS BLOCKER/COLLECTOR AND EMISSION ENHANCER FOR DISCHARGE SOURCES

Patent No. 6,232,613 Issued: May 15, 2001 Docket: UCF-201CIP

ASSIGNMENT

As a below named Assignee of an invention entitled: DEBRIS BLOCKER/COLLECTOR AND EMISSION ENHANCER FOR DISCHARGE SOURCES for which a United States Patent No. 6,232,613 was issued May 15, 2001; and

WHEREAS, EUV, L.L.C, an industry consortium, having its principal office and place of business in the City of Santa Clara, State of California, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said EUV, L.L.C, its successor, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said invention, and the said patent, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said EUV, L.L.C, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said EUV, L.L.C, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisionals, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said EUV, L.L.C, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Assignee of Record of the entire interest: University of Central Florida

The Undersigned (whose title appears below) is empowered to sign on behalf of the assignee.

M. J. Soileau

Vice President for Research
University of Central Florida

Date: 1/5/04

State of Florida)

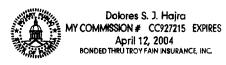
County of Orange) SS:

Before me personally appeared said M. J. Soileau and acknowledge the foregoing instrument to be his free act and

deed this 5th day of January, 200 4.

Seal:

Notary Public) Hayla



Title: CONFIGURATIONS, MATERIALS AND WAVELENGTHS FOR EUV LITHIUM PLASMA DISCHARGE

LAMPS

Patent No. 5,963,616 Issued: October 5, 1999 Docket: UCF-174

ASSIGNMENT

As a below named Assignee of an invention entitled: CONFIGURATIONS, MATERIALS AND WAVELENGTHS FOR EUV LITHIUM PLASMA DISCHARGE LAMPS for which a United States Patent No. 5,963,616 was issued October 5, 1999; and

WHEREAS, EUV, L.L.C, an industry consortium, having its principal office and place of business in the City of Santa Clara, State of California, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said EUV, L.L.C, its successor, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said invention, and the said patent, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said EUV, L.L.C, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said EUV, L.L.C, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisionals, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said EUV, L.L.C, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Assignee of Record of the entire interest: University of Central Florida

The Undersigned (whose title appears below) is empowered to sign on behalf of the assigned	The	Undersigned	(whose title appear	rs below) is er	npowered to sign	on behalf of the assignee.
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Ву: ____

M. J. Sojleau

Vice President for Research

University of Central Florida

State of Florida)

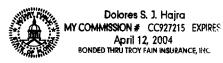
County of Orange) SS:

Before me personally appeared said M. J. Soileau and acknowledge the foregoing instrument to be his free act and

deed this <u>5th</u> day of <u>January</u>, 200<u>4</u>.

Seal:

(Notary Public)



Title: CAPILLARY DISCHARGE EXTREME ULTRAVIOLET LAMP SOURCE FOR EUV MICROLITHOGAPHY

AND OTHER RELATED APPLICATIONS

Patent No. 6,031,241 Issued: February 29, 2000 Docket: UCF-183CIP

ASSIGNMENT

As a below named Assignee of an invention entitled: CAPILLARY DISCHARGE EXTREME ULTRAVIOLET LAMP SOURCE FOR EUV MICROLITHOGAPHY AND OTHER RELATED APPLICATIONS for which a United States Patent No. 6,031,241 was issued February 29, 2000; and

WHEREAS, EUV, L.L.C, an industry consortium, having its principal office and place of business in the City of Santa Clara, State of California, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said EUV, L.L.C, its successor, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said invention, and the said patent, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said EUV, L.L.C, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said EUV, L.L.C, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisionals, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said EUV, L.L.C, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Assignee of Record of the entire interest: University of Central Florida

The Undersigned (whose title appears below) is empowered to sign on behalf of the assignee.

Vice President for Research

University of Central Florida

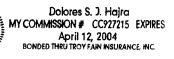
State of Florida)

County of Orange) SS:

Before me personally appeared said M. J. Soileau and acknowledge the foregoing instrument to be his free act and

deed this 57h day of January, 2004.

Seal:



PATENT REEL: 014852 FRAME: 0716

Title: DISCHARGE LAMP SOURCES APPARATUS AND METHODS

Patent No. 6,188,076 Issued: February 13, 2001 Docket: UCF-183DIV.B

ASSIGNMENT

As a below named Assignee of an invention entitled: DISCHARGE LAMP SOURCES APPARATUS AND METHODS for which a United States Patent No. 6,188,076 was issued February 13, 2001; and

WHEREAS, EUV, L.L.C, an industry consortium, having its principal office and place of business in the City of Santa Clara, State of California, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said EUV, L.L.C, its successor, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said invention, and the said patent, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said EUV, L.L.C, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said EUV, L.L.C, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisionals, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said EUV, L.L.C, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Assignee of Record of the entire interest: University of Central Florida

The Undersigned (whose title appears below) is empowered to sign on behalf of the assignee.

Бу. _____

M. J. Soyleau

Vice President for Research

University of Central Florida

State of Florida)

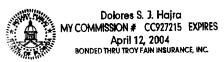
County of Orange) SS:

Before me personally appeared said M. J. Soileau and acknowledge the foregoing instrument to be his free act and

deed this 5th day of January, 200 4.

Seal:

(Notary Public)



Title: EFFICIENT NARROW SPECTRAL WIDTH SOFT X-RAY DISCHARGE SOURCES

Patent No. 5,499,282 Issued: March 12, 1996 Docket: UCF-112

ASSIGNMENT

As a below named Assignee of an invention entitled: EFFICIENT NARROW SPECTRAL WIDTH SOFT X-RAY DISCHARGE SOURCES for which a United States Patent No. 5,499,282 was issued March 12, 1996; and

WHEREAS, EUV, L.L.C, an industry consortium, having its principal office and place of business in the City of Santa Clara, State of California, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said EUV, L.L.C, its successor, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said invention, and the said patent, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said EUV, L.L.C, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said EUV, L.L.C, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisionals, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said EUV, L.L.C, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Assignee of Record of the entire interest: University of Central Florida

The Undersigned (whose title appears below) is empowered to sign on behalf of the assignee.

MISOFON

Vice President for Research University of Central Florida

State of Florida)

County of Orange) SS:

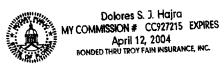
Before me personally appeared said M. J. Soileau and acknowledge the foregoing instrument to be his free act and

deed this 54h day of January, 2004.

RECORDED: 01/07/2004

Seal:

(Notary Public) Hayra



PATENT REEL: 014852 FRAME: 0718