

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3278354

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAURA DINU-GÜRTLER	03/02/2015
ERIC PETRUS HOGERVORST	03/02/2015
RECEIVING PARTY DATA	
Name:	MAPPER LITHOGRAPHY IP B.V.
Street Address:	COMPUTERLAAN 15
City:	DELFT
State/Country:	NETHERLANDS
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14578533
PCT Number:	EP2014078993
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	mcgeem@hoyngmonegier.com
Correspondent Name:	MIKE MCGEE
Address Line 1:	REMBRANDT TOWER, 31ST FL. AMSTELPLEIN 1
Address Line 4:	AMSTERDAM, NETHERLANDS 1096 HA
ATTORNEY DOCKET NUMBER:	03147.0097.USN1
NAME OF SUBMITTER:	DAVID P. OWEN
SIGNATURE:	/d p owen/
DATE SIGNED:	03/24/2015
Total Attachments: 7	
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Docket No: 03147.0097.USN1
Client Reference: M111B

Patent

COMBINED INVENTOR DECLARATION AND ASSIGNMENT TO APPLICANT

Title of Invention:

**CATHODE ARRANGEMENT, ELECTRON GUN AND LITHOGRAPHY SYSTEM
COMPRISING SUCH ELECTRON GUN**

As a below-named Inventor (also designated as "the undersigned"), I hereby declare that:

**DECLARATION (37 CFR 1.63)
FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

This declaration is directed to the application(s) listed in the SCHEDULE below:

SCHEDULE

Country	Application No.	Filing Date
International application (PCT)	PCT/EP2014/078993	22 December 2014
The Netherlands	NL 2014029	22 December 2014
United States of America	61/921,546	30 December 2013
United States of America	14/578,533	22 December 2014
Taiwan	103144743	22 December 2014

The application(s) identified in the SCHEDULE was/were made or authorized to be made by me

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application(s) identified in the SCHEDULE.

I acknowledge the duty to disclose information which is material to patentability before the U.S. Patent Office as defined in 37 CFR 1.56.

Initials Inventors

Initials Assignee

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

WHEREAS:-

(A) The undersigned is/are the inventor(s) of the invention(s) for which patent protection has been applied for in the form of the patent application(s) listed in the SCHEDULE; and

(B) The undersigned has/have agreed to assign to **MAPPER LITHOGRAPHY IP B.V., Computerlaan 15, 2628 XK Delft, The Netherlands** (the Assignee) all right, title and interest in the invention(s) and in any and all applications filed thereon, throughout the world and in particular in the United States of America (as defined in 35 U.S.C. 100) and any territories indicated in the SCHEDULE, including the right to apply for the grant of patents together with the right to apply for the grant of any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) arising from the invention(s), the right to claim convention priority, the right to be granted patents along with extensions and renewals thereof, and the right to enforce any patent(s) granted for the invention(s) to the full end of the term(s) for which such patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of assignment, such entire right, title and interest to be held and enjoyed by the Assignee to the same extent as they would have been held and enjoyed by the undersigned had the assignment and sale not been made.

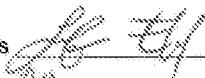
(C) The undersigned further agreed to assign any copyright, design right, know how, or other intellectual property rights associated with the invention(s) to the Assignee(s).

NOW THEREFORE, in consideration of the sum of One Euro paid by the Assignee(s) to the undersigned and/or other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby confirms/confirm effective of the filing date(s) indicated in SCHEDULE to have sold, assigned, and transferred, and to the extent not already done so, do hereby sell, assign, and transfer, all of the rights set out under (A), (B) and (C) above to the Assignee(s).

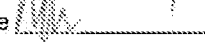
The undersigned agrees/agree to promptly take any action, including the execution of any papers and the provision of any evidence, required by the Assignee(s) or its/their agent(s) to further the grant of any patent application(s) associated with the invention(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, re-examination or corresponding application(s) filed therefrom, and the subsequent maintenance and enforcement of any patent(s) granted on such application(s), and to execute separate assignment(s) in connection with such application(s) as the Assignee(s) may deem necessary or expedient.

The undersigned agrees/agree to execute all papers necessary in connection with any interference proceedings that may be declared in the United States of America concerning any patent application(s), patent(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or re-examination application(s) associated therewith, and to cooperate with the Assignee(s) in every way possible in obtaining evidence and going forward with such interference.

Initials Inventors



Initials Assignee



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The undersigned agrees/agree to promptly take any action, including the execution of any papers, required by the Assignee(s) or its/their agent(s) in order to record this assignment document in any national/regional/international intellectual property register throughout the world.

The undersigned hereby represents/represent that at the time of conveyance he/she/they had the full right to convey the entire right, title and interest so assigned, and that the undersigned has not executed and will not execute, any agreement in conflict herewith.

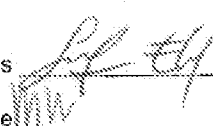
It is hereby agreed that the terms of this assignment shall be interpreted under the laws of **The Netherlands** and disputes arising under this agreement shall be adjudicated before the courts in **The District Court of The Hague, The Netherlands**.

The undersigned hereby grants power to insert in this document any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document, in particular in the United States Patent and Trademark Office to:

David P. Owen, USPTO Reg. No. 43,344; Minerva Rivéro, USPTO Reg. No. 65,979; Wilbert H. P. Derks EPO Reg No. 100038986; Jeroen H. J. Den Hartog EPO Reg No. 100059970; Christopher J. Pierce EPO Reg No. 09218580; Maarten Mooij EPO Reg No. 09226770; Michiel A. De Baat EPO Reg No. 23539; Niels J. Zelders EPO Reg No. 9254020; each an attorney or agent with the law firm of HOYNG MONEGIER LLP.

Initials Inventors

Initials Assignee



Docket No: 03147.0097.USN1
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Patent


IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

SIGNATURE OF ASSIGNEE (MAPPER LITHOGRAPHY IP B.V.)

Name: Marco Jan Jan Wiland

Title: CEO

Date: 3 (day) 3 (month) 2015 (year)

Signature: 

STATEMENT OF WITNESS:

Signed at Delft (city) the Netherlands (country)

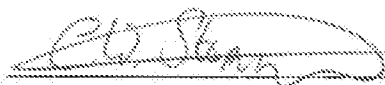
On 3 (day) March (month) 2015 (year)

I, Conny Storm, whose full residence address is
Laan van Wateringse Veld 1142, 2548 CT Den Haag, the Netherlands

was personally present and did see the person named above, execute the above assignment

on 3 (day) March (month) 2015 (year)

and such person is personally known to me to be the person described in this assignment.

Signature: 

Initials Inventors: 
Initials Assignee: 

Docket No: 03147.0097.USN1
Client Reference: M111B

Patent

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

SIGNATURE OF INVENTOR:

Name Laura DINU-GÜRTLER

Date: 02 (day) 03 (month) 2015 (year)

Signature: 

STATEMENT OF WITNESS:

Signed at Delft (city) The Netherlands (country)

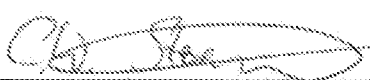
On 2 (day) March (month) 2015 (year)

I, Conny Storm, whose full residence address is
Leen van Wateringen Veld 1192, 2548 ST Den Haag, The Netherlands

was personally present and did see the person named above, execute the above assignment

on 2 (day) March (month) 2015 (year)

and such person is personally known to me to be the person described in this assignment.

Signature: 

Initials Inventors LD EG

Initials Assignee MS

Docket No: 03147.0097.USN1
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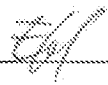
Patent

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

SIGNATURE OF INVENTOR:

Name **Eric Petrus HOGERVORST**

Date: 2 (day) 3 (month) 2015 (year)

Signature: 

STATEMENT OF WITNESS:

Signed at Delft (city) The Netherlands (country)

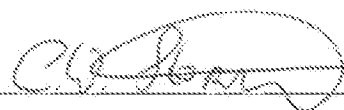
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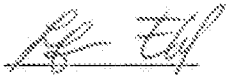
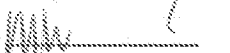
I, Corry Jorna, whose full residence address is
Laan van Wolvenjagers Veld 110, 2048 ST Oe, Haag, The Netherlands

was personally present and did see the person named above, execute the above assignment

on 2 (day) March (month) 2015 (year)

and such person is personally known to me to be the person described in this assignment.

Signature: 

Initials Inventors 
Initials Assignee 

Docket No: 03147.0097.USN1
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Patent

INVENTOR (Full Legal Name)	City, country (Residence)	Mailing address	Citizenship
Laura DINU-GÜRTLER	Delft, The Netherlands	Computerlaan 15, 2628 XK, Delft, The Netherlands	NL
Eric Petrus HOGERVORST	Haarlem, The Netherlands	Computerlaan 15, 2628 XK, Delft, The Netherlands	NL

Initials Inventors

LD EG

Initials Assignee

ML

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