

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5558652

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALEXANDER HENDRIK VINCENT VAN VEEN	06/14/2013
WILLEM HENK URBANUS	06/24/2013
RECEIVING PARTY DATA	
Name:	MAPPER LITHOGRAPHY IP B.V.
Street Address:	COMPUTERLAAN 15
City:	XK DELFT
State/Country:	NETHERLANDS
Postal Code:	2628
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15985763
CORRESPONDENCE DATA	
Fax Number:	(202)408-4400
<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>	
Phone:	2024084000
Email:	jennifer.gomes@finnegan.com
Correspondent Name:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP
Address Line 1:	901 NEW YORK AVENUE NW
Address Line 4:	WASHINGTON, D.C. 20001
ATTORNEY DOCKET NUMBER:	14261.0048-00000
NAME OF SUBMITTER:	AARON J. CAPRON
SIGNATURE:	/Aaron J. Capron/
DATE SIGNED:	06/06/2019
Total Attachments: 7	
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COMBINED INVENTOR DECLARATION AND ASSIGNMENT TO APPLICANT

Title of Invention:

Charged particle lithography system and beam generator

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. The application(s) identified herein is/was 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.

I acknowledge the duty to disclose information which is material to patentability before the U.S. Patent Office as defined in Title 37 Code of Federal Regulations §1.56.

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) As stated above, 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 below; and

(B) The undersigned has/have agreed to assign to: **MAPPER LITHOGRAPHY IP B.V., Computariaan 15, 2628 XK Delft, The Netherlands**. The undersigned agreed to assign to the Assignee(s) 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 below, 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 properties associated with the Invention(s) to the Assignee(s).

NOW THEREFORE, in consideration of the good and valuable sum of EURO 1.00 and other good and valuable consideration paid by the Assignee(s) to the undersigned, the receipt of which is

Initials Inventors

[Handwritten signatures] - 1 -

Initials Assignee

[Handwritten signature]

hereby acknowledged, the undersigned hereby confirms/confirm effective of **14 May 2012** 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.

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 David P. Owen, USPTO Reg. No. 43,344; Coraline J. Haitjema, USPTO Reg. No. 63,192; 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; Jeannette Verbart EPO Reg No. 00080880; Michiel A. De Baat EPO Reg No. 23539; each an attorney or agent with the law firm of HOYNG MONEGIER LLP, power to insert in this Assignment 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.

Initials Inventors

Initials Assignee

Docket Number : 03147.0101.PCNO
Client Reference: M105A

Patent
MAY 14 2013

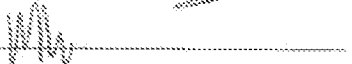
SCHEDULE

Country	Application No.	Filing Date
United States of America	61/646,839	14 May 2012
The Netherlands	2010802	14 May 2013
PCT (including all designated/elected states and regions)	PCT/EP2013/059963	14 May 2013
Taiwan	102117163	14 May 2013

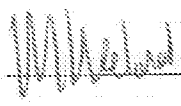
Initials Inventors



Initials Assignee



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

SIGNATURE OF ASSIGNEE: 

Name Marco Jan Jacob Wieland

Title CTO

Date: 24 June 2013 (dd.mm.yyyy)

MAPPER LITHOGRAPHY IP B.V.

STATEMENT OF WITNESS:

Signed at Delft (city) the Netherlands (country)

on 24 (day) June (month) 2013 (year)

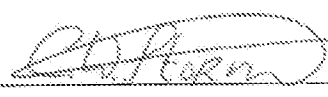
I, Conny Steen whose full residence address is
Loos van Waterloog Veld 1142, 2548 CT Den Haag
the Netherlands

was personally present and did see the person named above, Marco Wieland

execute the above assignment on 24 (day)

June (month) 2013 (year), and such assignee is personally

known to me to be the person described in this assignment.


Signature of Witness

Docket Number : 03147.0101.PCNO
Client Reference: M105A

Patent

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

SIGNATURE OF INVENTOR: *A. Van Veen*

Date: 14 June - 2013
(dd.mm.yyyy)

Name: VAN VEEN, Alexander Hendrik Vincent

STATEMENT OF WITNESS:

Signed at Delft (city) the Netherlands (country)
on 14 (day) June (month) 2013 (year)

I, Erny Steen whose full residence address is
1000 van Wieringsveld 1102 2548 CT Den Haag was
personally present and did see the person named above, Alexander van Veen
execute the above assignment on 14 (day) June (month) 2013 (year), and
such inventor is personally known to me to be the person described in this assignment.

Erny Steen
Signature of Witness

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

SIGNATURE OF INVENTOR: _____



Date: _____

24-06-2013
(dd.mm.yyyy)

Name: URBANUS, Willem Henk

STATEMENT OF WITNESS:

Signed at Delft (city) the Netherlands (country)

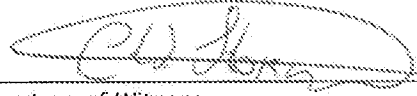
on 24 (day) June (month) 2013 (year)

I, Conny Steen whose full residence address is Laan van Wateringveld 1142, 2546 CT Dordrecht, the Netherlands was

personally present and did see the person named above,

execute the above assignment on 24 (day) June (month) 2013 (year), and

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



Signature of Witness

Docket Number : 03147.0101.PCNO
Client Reference: M105A

Patent

INVENTOR (Full Legal Name)	Residence (city, country)	Mailing address	Citizenship
VAN VEEN, Alexander Hendrik Vincent	ROTTERDAM The Netherlands	Stadhoudersplein 27c 3039 ER ROTTERDAM The Netherlands	NL
URBANUS, Willem Henk	CULEMBORG The Netherlands	Westersingel 18 4101 ZJ CULEMBORG The Netherlands	NL