PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PIETER KRUIT	06/13/2013
MARC SMITS	06/11/2013

RECEIVING PARTY DATA

Name:	MAPPER LITHOGRAPHY IP B.V.	
Street Address:	COMPUTERLAAN 15	
City:	DELFT	
State/Country:	NETHERLANDS	
Postal Code:	2628 XK	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14385802
PCT Number:	EP2013055865

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	03147.0089.USP0
NAME OF SUBMITTER:	DAVID P. OWEN
SIGNATURE:	/dpowen/
DATE SIGNED:	12/31/2014

Total Attachments: 7

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Docket Number: 03147.0089.PCN0

Client Reference: M688

Patent

COMBINED INVENTOR DECLARATION AND ASSIGNMENT TO APPLICANT

Title of Invention:

Arrangement and method for transporting radicals

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.,
 Computerlaan 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).

Initials Inventors - 1

Initials Assignee

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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 hereby acknowledged, the undersigned hereby confirms/confirm effective of **20 Mar 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

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SCHEDULE

Country	Application No.	Filing Date
United States of America	61/613,391	20 Mar 2012
The Netherlands	N2010488	20 Mar 2013
PCT (including all designated/elected states and regions)	PCT/EP2013/055865	20 Mar 2013

Initials Inventors

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Patent

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s). Date: 11 [[[]]]] _____(dd.mm.yyyy) MAPPER LITHOGRAPHY IP B.V. STATEMENT OF WITNESS: Signed at (month) _____2013 (day) on whose full residence address is ______, execute the above assignment on ______// ____(day) _____ (month) ______ (year), and such inventor is personally known to me to be the person described in this assignment.

Docket Number: 03147.0089.PCN0

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Signature of Witness

Docket Number: 03147.0089.PCN0
Client Reference: M688

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

SIGNATURE OF INVENTOR: ______ Date: 13 0 0 2 0/ 3

Name: KRUIT, Pieter

STATEMENT OF WITNESS:	
Signed at Delft (city) the Netherland	(country)
on _/3_ (day) (month) 20/3_ (year)	
, 1, <u>Caray Joan</u>	_ whose full residence address is
LAAQ KAQ WALASINGE VELD 1142,25	46 CT Dro Haaq was
personally present and did see the person named above,	Peter Oselak
execute the above assignment on 13 (day)	(month) <u>2/3</u> (year), and
such inventor is personally known to me to be the person desc	cribed in this assignment.

Signature of Witness

Patent

Docket Number : 03147.0089.PCN0 Client Reference: M688

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

SIGNATURE OF INVENTOR: 106.703 (dd.mm.yyyy)
Name: SMITS, Marc

Docket Number: 03147.0089.PCN0

Client Reference: M688

Patent

INVENTOR	Residence	Mailing address	Citizenship
(Full Legal Name)	(city, country)		
KRUIT, Pieter	DELFT Netherlands	Koornmarkt 49 2611 EB DELFT Netherlands	NL
SMITS, Marc	PIJNACKER Netherlands	Noordweg 55 2641 AK PIJNACKER Netherlands	NL

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