505563370 07/09/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5610167

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TEUNIS VAN DE PEUT	05/11/2012
MARCO JAN-JACO WIELAND	05/14/2012

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:	14287238

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	14261.0051-00000
NAME OF SUBMITTER:	AARON J. CAPRON
SIGNATURE:	/Aaron J. Capron/
DATE SIGNED:	07/09/2019

Total Attachments: 6

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PATENT REEL: 049704 FRAME: 0904 $source = Assignment_-_Inventors_to_Mapper\#page 6.t if$

PATENT REEL: 049704 FRAME: 0905 Docket Number: 03147.0025.PCN0

Client Reference: M48

ASSIGNMENT BETWEEN:

VAN DE PEUT, Teunis Galicië 14 3831 JD Leusden, NL

and:

WIELAND, Marco Jan-Jaco

Boeroestraat 23 2612 GD Delft, NL

("the Assignor(s)")

and:

MAPPER LITHOGRAPHY IP B.V.

Computerlaan 15 2628 XK Delft, NL

("the Assignee(s)")

WHEREAS:-

- The Assignor(s) is/are the inventor(s) of the Invention(s) known as 'DUAL PASS (A) **SCANNING**' for which patent protection has been applied for in the form of the patent application(s) listed in the schedule below.
- (B) The Assignor(s) 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 Assignor(s) had the assignment and sale not been made.
- (C) The Assignor(s) further agreed to assign any copyright, design right, know how, or other intellectual properties associated with the Invention(s) to the Assignee(s).

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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 Assignor(s), the receipt of which is hereby acknowledged, the Assignor(s) hereby confirms/confirm effective of 20 May 2009 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 (B) and (C) above to the Assignee(s).

The Assignor(s) 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 Assignor(s) 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-inpart), 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 Assignor(s) 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 Assignor(s) 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 Netherlands.

The undersigned hereby grants David P. Owen, USPTO Reg. No. 43,344; Coraline J. Haitjema, USPTO Reg No. 63,192; Sam Bergstrom, USPTO Reg No. 62,103; 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; 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

Initials Assignor(s) DWU
Initial Assignees(s)



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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.

SCHEDULE

Country	Application No.	Filing Date
United States of America	61/179,762	20 May 2009
PCT (including all designated/elected states and regions)	PCT/IB2010/052217	19 May 2010
United States of America	13/293,393	10 November 2011
Taiwan	99116032	20 May 2010

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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).
SIGNATURE OF ASSIGNEE: WWW.
Title: CTO
Name: Marco Jan Jaco Welowd
Date: 14 May 2012 (dd.mm.yyyy)
MAPPER LITHOGRAPHY IP B.V.
STATEMENT OF WITNESS:
Signed at Defft (city) the Nethelands (country)
on <u>14 (day) MAY</u> (month) <u>2012</u> (year)
I, Conny Storm whose full residence address is
LAAn van Waterings Veld 1142, 2548 CT Van HAAG was
personally present and did see the person named above, Marco Wieland,
execute the above assignment on 14 (day) May (month) 2012 (year), and
such assignor is personally known to me to be the person described in this assignment.
CW. Sonn

Signature of Witness

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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).
SIGNATURE OF ASSIGNOR:
Date:(dd.mm.yyyy)
VAN DE PEUT, Teunis
STATEMENT OF WITNESS:
Signed at Delft (city) the Netherlands (country)
on MAY (month) $20/2$ (year)
I, Ong Otokm whose full residence address is
LAAn van Wateringse Veld 1142, 2548 CT, Pen HAAg was
personally present and did see the person named above, Teun's van de Peut,
execute the above assignment on $//$ (day) $/$ (month) $/$ (year), and
such assignor is personally known to me to be the person described in this assignment.

Signature of Witness

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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).		
SIGNATURE OF ASSIGNOR: MUCH		
Date: 14 May 2012 (dd.mm.yyyy)		
WIELAND, Marco Jan-Jaco		
STATEMENT OF WITNESS:		
Signed at Delft (city) the Netherlands (country)		
on 14 (day) MAY (month) $20/2$ (year)		
I, Conny Storm whose full residence address is		
LAAN VAN WATERINGSE Veld 1142, 2548 CT DEN HAAGWAS		
personally present and did see the person named above, MArco Wieland,		
execute the above assignment on $\frac{14}{12}$ (day) $\frac{14}{12}$ (month) $\frac{2012}{12}$ (year), and		

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

Signature of Witness