

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Dirk Heinrich Ehm	12/05/2012
Maarten van Kampen	10/02/2012
Stefan-Wolfgang Schmidt	12/10/2012
Vadim Yevgenyevich Banine	10/22/2012
Erik Loopstra	09/21/2012

RECEIVING PARTY DATA

Name:	Carl Zeiss SMT GmbH
Street Address:	Rudolf-Eber-Strasse 2
City:	Oberkochen
State/Country:	GERMANY
Postal Code:	73447

Name:	ASML Netherlands B.V.
Street Address:	De Run 6501
City:	Veldhoven
State/Country:	NETHERLANDS
Postal Code:	5504 DR

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13561502

CORRESPONDENCE DATA

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OP \$40.00 13561502

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ATTORNEY DOCKET NUMBER: P18063

NAME OF SUBMITTER: Christian Ottesen

Total Attachments: 6
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ASSIGNMENT

Whereas, We, DIRK HEINRICH EHM of Scheffelstrasse 5,
73466 Lauchheim, Federal Republic of Germany, MAARTEN VAN KANPEN of
Opaal 23, 5629 HP Eindhoven, Netherlands,
STEFAN-WOLFGANG SCHMIDT of Zeppelinstrasse 73, 73430 Aulich, Federal
Republic of Germany, VADIM YEVGENYEVICH BANINE of Eendracht 21,
5751 SB Durne, Netherlands, and ERIK LOOPSTRA of Lakerstraat 32-34,
5513 ES Eindhoven, Netherlands, have invented certain new and useful
improvements in Arrangement for Use in a Projection Exposure Tool for
Microlithography having a Reflective Optical Element for which
application serial no. 13/561,502 for United States Letters Patent was
filed on July 30, 2013, (said application having Attorney Docket
No. P18063); and,

Whereas, CARL ZEISS SMT GMBH, a corporation organized and
existing under the laws of the Federal Republic of Germany, having its
principal office at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Federal
Republic of Germany (hereinafter referred to as ZEISS); and, ASML
NETHERLANDS B.V., a company organized and existing under the laws of
the Netherlands, having its principal office at De Run 6501,
5504 DR Veldhoven, Netherlands (hereinafter referred to as ASML), are
desirous of obtaining Letters Patent for said invention in the United
States;

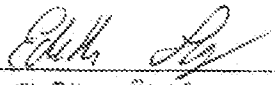
Now, therefore, we hereby confirm that for good and valuable
consideration, the receipt and sufficiency of which is hereby
acknowledged, we have transferred unto said ZEISS and ASML, their
respective successors, assigns, nominees or other legal
representatives, the full and exclusive right to said invention and
have agreed to assign and transfer and do hereby assign and transfer
unto said ZEISS and ASML, their respective successors, assigns,
nominees or other legal representatives, the full and exclusive right,
title and interest in and to said application including all priority
rights under the International Convention for the Protection of
Industrial Property associated therewith and the full and exclusive

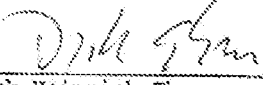
right to any and all Letters Patent which may be granted in the United States on said application to the full end of the term for which said Letters Patent is granted and to any and all divisional, continuation, substitute and reissue applications derived from said application.

We agree for ourselves and for our heirs, executors and administrators to communicate to said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives, all facts known to us respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuation, substitute and reissue applications or the procuring thereof, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives to maintain and enforce any patent for said improvements without further consideration but at the expense of said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives.

We hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all Letters Patent which may be granted upon any of said applications, to said ZEISS and ASML as the Assignees of the entire right, title and interest in and to the same, for their sole use and behoof; and for the use and behoof of their respective successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Witness:


EDITH SORG


Dirk Heinrich Ehm

Date: Dec 28 5/6 PM

Witness:

Signature of Inventor

Date: 2-10-2012

Witness:

Signature of Inventor

Date:

Witness:

Signature of Inventor

Date:

Witness:

Signature of Inventor

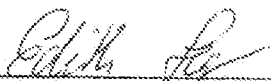
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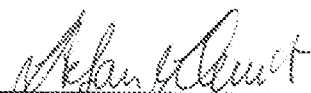
Witness:

Maarten van Kampen

Date: _____

Witness:


EDITH SONG


Stefan-Wolfgang Schmidt

Date: december 10th, 2012

Witness:

Vadim Yevgenyevich Banine

Date: _____

Witness:

Erik Loopstra

Date: _____

Erfinder:

Erfinder:
Eckhard von Knappe

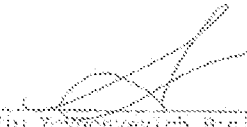
Datum:

Erfinder:

Erfinder:
Eckhard-Wolfgang Schmidt

Datum:

Erfinder:

Erfinder:

Volker Volkmann

Datum: 22-10-12

Erfinder:

Erfinder:
Erik Lohmann

Datum:

Witness:

Ernest von Knapik

Date:

Witness:

Stefan-Wilhelm Schacht

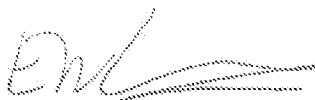
Date:

Witness:

Madan Yungashevich, Engineer

Date:

Witness:


Erik Lindqvist

Date: 21-09-2012