**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

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<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>JOHANNES CATHARINUS HUBERTUS MULKENS</td>
<td>04/29/2005</td>
</tr>
<tr>
<td>BOB STREEFKERK</td>
<td>04/29/2005</td>
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### RECEIVING PARTY DATA

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<tr>
<th>Name</th>
<th>De Run 6501</th>
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<tbody>
<tr>
<td>Street Address</td>
<td>Veldhoven</td>
</tr>
<tr>
<td>City</td>
<td>NETHERLANDS</td>
</tr>
<tr>
<td>State/Country</td>
<td>NL-5504 DR</td>
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### PROPERTY NUMBERS Total: 1

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<tr>
<td>Application Number</td>
<td>14871743</td>
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### CORRESPONDENCE DATA

**Fax Number:** (703)770-7901  
*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.*

**Email:** diane.smyth@pillsburylaw.com  
**Correspondent Name:** PILLSBURY WINTHROP SHAW PITTMAN, LLP  
**Address Line 1:** P.O. BOX 10500  
**Address Line 4:** MCLEAN, VIRGINIA 22102

### ATTORNEY DOCKET NUMBER:

081468-0443434  
**NAME OF SUBMITTER:** JEAN-PAUL G. HOFFMAN  
**SIGNATURE:** /Jean-Paul G. Hoffman/  
**DATE SIGNED:** 10/01/2015

Total Attachments: 1  
source=0443434#page1.tif
ASSIGNMENT
OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

(1) Johannes Catharinus Hubertus MULKENS
(2) Bob STREEFKERK

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

ASML NETHERLANDS B.V.
De Run 6501
NL-5504 DR Veldhoven
THE NETHERLANDS

(TITLE OF INVENTION)

LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTURING METHOD

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE

(A) [ ] even date herewith
(B) [ ] on line A, B and/or C
(C) [x] In U.S. Appln. No. 11/071,579 filed March 4, 2005

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the Assignee, for its interest as Assignee, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said Assignee;

AND the undersigned hereby agree(s) to sign any papers for Assignee, its successors, assigns and legal representatives, deemed essential by Assignee to Assignee's full protection and title in and to the invention hereby transferred.

NOTE

The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert herein any further identification necessary or desirable for recording of this document.

1).
Name:

Johannes Catharinus Hubertus MULKENS

Date Signed:

29 April 2005

2).
Name:

Bob STREEFKERK

3).
Name:

4).
Name:

5).
Name:

WITNESSES

Jan Verkuilen

Date Signed:

29 April 2005

Mia Verkuilen

RECORDED: 10/01/2015

PATENT
REEL: 036704 FRAME: 0899