

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Harry SEWELL	07/01/2008
Louis John MARKOYA	06/23/2008
Erik Roelof LOOPSTRA	07/07/2008
Nicolaas Ten KATE	07/07/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ASML Netherlands B.V.
<b>Street Address:</b>	De Run 6501
<b>City:</b>	Veldhoven
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	NL-5504 DR
<b>Name:</b>	ASML Holding N.V.
<b>Street Address:</b>	De Run 6501
<b>City:</b>	Veldhoven
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	NL-5504 DR
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11911704
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)371-2540
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Email:</b>	jasone@skgf.com
<b>Correspondent Name:</b>	Sterne, Kessler, Goldstein and Fox PLLC
<b>Address Line 1:</b>	1100 New York Ave. NW
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20005

OP \$40.00 11911704

500701776

**PATENT**  
**REEL: 021820 FRAME: 0791**

ATTORNEY DOCKET NUMBER:	1857.3830003
NAME OF SUBMITTER:	Jason D. Eisenberg
<p>Total Attachments: 4</p> <p>source=18573830003assignment#page1.tif</p> <p>source=18573830003assignment#page2.tif</p> <p>source=18573830003assignment#page3.tif</p> <p>source=18573830003assignment#page4.tif</p>	

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Aleksandr KHMELICHEK, Harry SEWELL, Louis John MARKOYA, Erik Roelof LOOPSTRA, and Nicolaas TEN KATE** hereby sell and assign to **ASML Netherlands B.V. and ASML Holding N.V.**, a corporation formed under the laws of whose mailing address is De Run 6501, NL - 5504 DR Veldhoven, THE NETHERLANDS (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Liquid Immersion Lithography System Comprising a Tilted Showerhead** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of October 16, 2007 (also known as United States Application No. 11/911,704, which is the U.S. national phase of International Application No. PCT/NL2006/000202, International Filing Date April 19, 2006), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Aleksandr Khmelichek  
(Marina Khmelichek acting as Legal  
Representative of Aleksandr Khmelichek)

Date: 7/1/08 Signature of Inventor: \_\_\_\_\_

Harry Sewell

Date: 6/23/08 Signature of Inventor: \_\_\_\_\_

Louis John Markoya

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Erik Roelof Loopstra

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Nicolaas Ten Kate

829535\_1.DOC

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

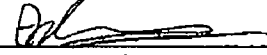
The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Aleksandr Khmelichek  
(Marina Khmelichek acting as Legal  
Representative of Aleksandr Khmelichek)

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Harry Sewell

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Louis John Markoya

Date: 7 July 2008 Signature of Inventor:   
Erik Roelof Loopstra

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Nicolaas Ten Kate

829535\_1.DOC

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

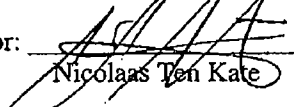
IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Aleksandr Khmelichek  
(Marina Khmelichek acting as Legal  
Representative of Aleksandr Khmelichek)

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Harry Sewell

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Louis John Markoya

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Erik Roelof Loopstra

Date: 7 July 2008 Signature of Inventor:   
Nicolaas Ten Kate

829535, 1.DOC