

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST
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CONVEYING PARTY DATA

Name	Execution Date
Nigel Crosland	2004-09-14
Klaus-Dieter Adam	2004-10-27
Timothy Groves	2004-09-30
Jeffrey Kristoff	2004-09-09
Brian Rafferty	2004-10-07
Gerhard Schubert	2004-09-22

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
Leica Microsystems Lithography Ltd.	515 Coldhams Lane		Cambridge	UNITED KINGDOM	CB1 3XE

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	10903421

CORRESPONDENCE DATA

FAX NUMBER: 7818639931
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 029127

NAME OF PERSON SIGNING:	Maria M. Eliseeva
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DATE SIGNED:	2004-11-22
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Total Attachments: 4
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PATENT

ASSIGNMENT

Whereas we, the undersigned,

Nigel Crosland, a citizen of Great Britain, residing at 4 Mill Lane, Linton, Cambridgeshire CB1 6JY, Great Britain;

Klaus-Dieter Adam, a citizen of Germany, residing at Anemonenweg 6, D-07751 Jena, Germany;

Timothy Groves, a citizen of U.S., residing at 244 Hills Road, Cambridge CB2 2QH, Great Britain;

Jeffrey Kristoff, a citizen of U.S., residing at 8 Sheldon Lane, Hilton Head Island, SC 29926, U.S.A.;

Brian Rafferty, a citizen of Great Britain, residing at 6 Partridge Close, Thurston, Bury St. Edmunds, Great Britain;

Gerhard Schubert, a citizen of Germany, residing at Iltsweg 9, D-07749 Jena, Germany;

hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

DUAL-MODE ELECTRON BEAM LITHOGRAPHY LTD.

identified as Attorney Docket No. **21295.89 (H5878US)**, which application was filed on July 30, 2004 and assigned Application No. 10/903,421. In the event that the execution date, filing date and/or Application No. are not entered above at the time we execute this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at HOUSTON ELISEEVA LLP, 4 Militia Drive, Ste. 4, Lexington, MA 02421, USA to insert above the execution date, filing date and/or Application No. of said application; and

Whereas, **Leica Microsystems Lithography Ltd.**, having an office and a place of business at **515 Coldams Lane, Cambridge CB1 3XE, England**, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever

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countries, including all divisional, renewal, substitute, continuation, reissue and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, together with the right of priority of earlier-filed British application **GB 03 18 119.5**, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

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In testimony of which we have executed this Assignment on the date indicated next to our name.

Dated: 14 Sep 04

N.C.E. Crosland
Nigel Crosland

I declare that I did see the above-named individual sign this document in my presence.

Witness: Heidi

Date: 14 Sept 04

Dated: 27 October 2004

Klaus-Dieter Adam
Klaus-Dieter Adam

I declare that I did see the above-named individual sign this document in my presence.

Witness: Jurga Zimmermann

Date: 27 October 2004

Dated: 30 Sept 2004

Timothy Groves
Timothy Groves

I declare that I did see the above-named individual sign this document in my presence.

Witness: Mattias Stodowt

Date: 30 SEP 2004

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Dated: September 9, 2004



Jeffrey Kristoff

I declare that I did see the above-named individual sign this document in my presence.

Witness: Matthias Stodouski

Date: ~~30 Sep 2004~~
September 9, 2004

Dated: 7/10/04


Brian Rafferty

I declare that I did see the above-named individual sign this document in my presence.

Witness: [Signature]

Date: 7/10/04

Dated: 22 Sep 04


Gerhard Schubert

I declare that I did see the above-named individual sign this document in my presence.

Witness: Matthias Stodouski

Date: 22-SEP-2004