

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hans-Jeugen Mann	06/25/2003
Wilhelm Ulrich	06/24/2003
Geunter Seitz	06/27/2003
RECEIVING PARTY DATA	
Name:	Carl-Zeiss SMT AG
Street Address:	Carl-Zeiss-Str. 22
City:	Oberkochen
State/Country:	GERMANY
Postal Code:	73447
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11592065
CORRESPONDENCE DATA	
Fax Number:	(203)327-6401
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2033274500
Email:	rolivo@ogrp.com
Correspondent Name:	Ohlandt, Greeley, Ruggiero & Perle, L.L.
Address Line 1:	One Landmark Square
Address Line 2:	10th Floor
Address Line 4:	Stamford, CONNECTICUT 06901
ATTORNEY DOCKET NUMBER:	637.0028USX1
NAME OF SUBMITTER:	Charles N. J. Ruggiero
<p>Total Attachments: 3</p> <p>source=637.0028USX1#page1.tif</p>	

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PATENT
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Copy of
ASSIGNMENT
from
U.S. Pat. App. No. 10/418,515

ASSIGNMENT

FOR valuable and legally sufficient considerations, receipt of which is hereby acknowledged, I, **Hans-Jürgen Mann**, a citizen of Germany, and a resident of Katzenbachstrasse 49, 73447 Oberkochen, Germany; **Wilhelm Ulrich**, a citizen of Germany, and a resident of Lederackerring 44, 73434 Aalen-Dewangen, Germany; and **Günther Seitz**, a citizen of Germany, and a resident of Im Gässle 34, 71579 Spiegelberg, Germany; having co-invented certain new and useful improvements in

8- MIRROR MICROLITHOGRAPHY PROJECTION OBJECTIVE

hereby assign to **Carl-Zeiss SMT AG**, a German corporation having its principal office at **Carl-Zeiss-Str. 22, 73447 Oberkochen**, (hereinafter referred to as "Assignee"), the entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent which was filed in the United States Patent and Trademark Office on **April 18, 2003**, and assigned **U.S. Application Serial No. 10/418,515**, and any continuation, divisions, continuation-in-part applications, inventor's certificates and extensions thereof, preparatory to obtaining Letters Patent of the United States therefor; said invention, application and Letters Patent to be held and enjoyed by said Assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term for which said Letters Patent or other rights of protection may be granted as entirely as the same would have been held and enjoyed by us had the assignment not been made.

AND WE COVENANT and AGREE and WARRANT that we have full and unencumbered title to the invention hereby assigned, and we further covenant and agree that we have the right to grant such rights to said invention and application and Letters Patent and that we will, at any time upon request without cost to us or further compensation, execute and deliver any and all papers or instruments that, in the opinion of said Assignee, may be necessary or desirable to secure in said Assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed

full enjoyment of the rights and properties herein conveyed or intended to be conveyed by this instrument. IN WITNESS WHEREFORE, we have hereunto set our hands and seal:

Date: 25-june, 2003 6.7-2
By: Hans-Jürgen Mann

[Signature]
Witness

Date: 24-june, 2003 Wilhelm Ulrich
By: Wilhelm Ulrich

[Signature]
Witness

Date: 27-june, 2003 Günther Seitz
By: Günther Seitz

[Signature]
Witness