PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hans-Juergen Mann	05/20/2010

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12767521

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 21070-0042001

NAME OF SUBMITTER: Alissa Passacantilli

Total Attachments: 1

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PATENT REEL: 024455 FRAME: 0327 H \$40.00 12/6/52

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Attorney's Docket No.: 21070-0042001 / P100353US

ASSIGNMENT

For valuable consideration, I, <u>HANS-JUERGEN MANN</u> of <u>Katzenbachstrasse 49, 73447</u>

<u>Oberkochen, Germany</u>, hereby assign to: <u>Carl Zeiss SMT AG</u>, a corporation of <u>Germany</u>

having a place of business at:

Rudolf-Eber-Strasse 2 73447 Oberkochen Germany; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled IMAGING OPTICAL SYSTEM

AND PROJECTION EXPOSURE SYSTEM FOR MICROLITHOGRAPHY, filed 4/26/2010, and assigned U.S. Serial Number 12/767,521, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment

Date: May 20th, 2010	HANS-JUERGEN MANN
Witnessed by:	
Name: Avrishiva Gutun	Date: 17ay 20, 2010
Name:	Date:
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RECORDED: 05/28/2010

REEL: 024455 FRAME: 0328