

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Werner Stockum</td><td>11/12/2007</td></tr><tr><td>Armin Kuebelbeck</td><td>11/12/2007</td></tr><tr><td>Jun Nakanowatari</td><td>11/12/2007</td></tr></tbody></table>		Name	Execution Date	Werner Stockum	11/12/2007	Armin Kuebelbeck	11/12/2007	Jun Nakanowatari	11/12/2007
Name	Execution Date								
Werner Stockum	11/12/2007								
Armin Kuebelbeck	11/12/2007								
Jun Nakanowatari	11/12/2007								
RECEIVING PARTY DATA									
Name:	Merck Patent GmbH								
Street Address:	Frankfurter Strasse 250								
City:	Darmstadt								
State/Country:	GERMANY								
Postal Code:	64293								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11995618</td></tr></tbody></table>		Property Type	Number	Application Number:	11995618				
Property Type	Number								
Application Number:	11995618								
CORRESPONDENCE DATA									
Fax Number: (703)243-6410 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 703-243-6333									
Email: clark@mwzb.com									
Correspondent Name: Millen, White, Zelano & Branigan, P.C.									
Address Line 1: 2200 Clarendon Blvd.									
Address Line 2: Suite 1400									
Address Line 4: Arlington, VIRGINIA 22201									
ATTORNEY DOCKET NUMBER:	MERCK-3418								
NAME OF SUBMITTER:	Anthony J. Zelano								
Total Attachments: 1 source=Assignment#page1.tif									

OP \$40.00 11995618

PATENT

500452229

REEL: 020438 FRAME: 0732

# ASSIGNMENT

ATTY. DOCKET NO.:

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

**PRINTABLE ETCHING MEDIA FOR SILICON DIOXIDE AND SILICON NITRIDE LAYERS**

- ☐ for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
- ☒ for which U.S. Application Serial No. 11/995,018 for Letters Patent was filed in the U.S. Patent and Trademark Office on January 14, 2008
- ☒ for which an International Application was filed on 21 June 2006 as PCT/EP2006/005937, designating the United States.

AND WHEREAS

MERCK PATENT GESELLSCHAFT  
MIT BESCHRÄNKTER HAFTUNG  
Darmstadt, Germany

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application(s), including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.




NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification which 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 TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Werner Stockum		12 Nov. 2007
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Armin Kuebelbeck		12 Nov. 2007
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jun Nakanowatari		12 Nov. 2007
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
206 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
207 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
209 FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
210 FULL NAME OF TENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE