

PATENT ASSIGNMENT

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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>Michael WITTEK</td> <td>08/23/2012</td> </tr> <tr> <td>Norihiko TANAKA</td> <td>08/23/2012</td> </tr> <tr> <td>Mila FISCHER</td> <td>08/23/2012</td> </tr> <tr> <td>Erdal DURMAZ</td> <td>08/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael WITTEK	08/23/2012	Norihiko TANAKA	08/23/2012	Mila FISCHER	08/23/2012	Erdal DURMAZ	08/23/2012
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<table border="1"> <tr> <td>Name:</td> <td>MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG</td> </tr> <tr> <td>Street Address:</td> <td>Frankfurter Strasse 250</td> </tr> <tr> <td>City:</td> <td>Darmstadt</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>64293</td> </tr> </table>		Name:	MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG	Street Address:	Frankfurter Strasse 250	City:	Darmstadt	State/Country:	GERMANY	Postal Code:	64293
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CORRESPONDENCE DATA											
<p>Fax Number: 7032436410 Phone: 7032436333 Email: mail@mwzb.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Millen, White, Zelano & Branigan, P.C. Address Line 1: 2200 Clarendon Blvd. Suite 1400 Address Line 2: Attn: Helen Cassidy Address Line 4: Arlington, VIRGINIA 22201</p>											
ATTORNEY DOCKET NUMBER:	MERCK-3982										
NAME OF SUBMITTER:	Helen Cassidy										
Total Attachments: 1 source=MERCK-3982_exe_Assignment#page1.tif											

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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

Liquid Crystal Medium and Liquid Crystal Display

and for which one or more of the following apply:

- ☐ U.S. Provisional Application Serial No. _____ was filed in the United States Patent and Trademark Office on _____
- ☒ A U.S. Non-Provisional
- ☒ application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
- ☐ Application Serial No. _____ for Letters Patent was filed in the U.S. Patent and Trademark Office on _____
- ☐ as International Application No. _____ was filed on _____, 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 all application(s) listed above, 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.

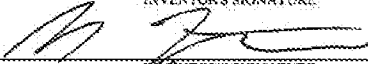


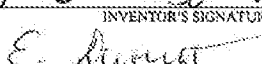
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including 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, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, 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 information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Michael Wittek		23. Aug. 2012
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Norihiko Tanaka		23. Aug. 2012
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Mila Fischer		23. Aug. 2012
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Erdal Durmaz		23. Aug. 2012
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

PATENT

RECORDED: 08/31/2012

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