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HEET U.S. DEPARTMENT OF COMMERCE
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Y

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1. Name of conveying party(ies):
Markus Czanta;
Lars Lietzau;
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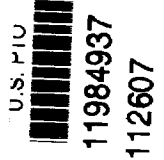
Name: Merck Patent GmbH

Street Address: Frankfurter Strasse 250
City: Darmstadt Zip:64293
Country: GERMANY

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

No additional names(s) or address(es) attached Yes No



4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: November 26, 2007
A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MILLEN, WHITE, ZELANO
& BRANIGAN, P.C.
Address: Arlington Court Plaza I
Suite 1400
2200 Clarendon BLVD.
Arlington, VA 22201

6. Total number of applications and patents involved: 1
7. Total fee (37CFR 3.41) \$40.00
 Enclosed (Check No. 39571)
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8. DEPOSIT ACCOUNT NO. 13-3402
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Brion P. Heaney
Names of Person Signing

Signature

November 26, 2007
Date

Total number of pages including cover sheet, attachments, and documents 2

Attorney Docket No. MERCK-3404

12/03/2007 MGETACHE 00000146 11984937
01 FC:8021 40.00 UP

PATENT
REEL: 020193 FRAME: 0962

ASSIGNMENT

ATTY. DOCKET NO.
MERCK-3404

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 Crystalline 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.

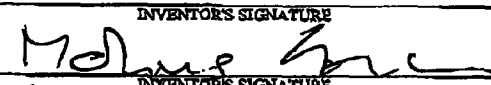


NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including 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
CZANTA, Markus		20.11.2007
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
LIETZAU, Lars		20.11.2007
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
REUTER, Marcus		20.11.2007
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

PATENT

RECORDED: 11/26/2007

REEL: 020193 FRAME: 0963