PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lars LIETZAU	11/18/2010
Werner BINDER	11/18/2010
Atsutaka MANABE	11/18/2010
Helmut HAENSEL	11/18/2010

RECEIVING PARTY DATA

Name:	MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG	
Street Address:	FRANKFURTER STRASSE 250	
City:	DARMSTADT	
State/Country:	GERMANY	
Postal Code:	64293	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12938464

CORRESPONDENCE DATA

Fax Number: (703)243-6410

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-243-6333
Email: brooks@mwzb.com

Correspondent Name: Millen, White, Zelano & Branigan

Address Line 1: 2200 Clarendon Blvd.

Address Line 2: Suite 1400

Address Line 4: Arlington, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	MERCK-3785
NAME OF SUBMITTER:	Richard J. Traverso

Total Attachments: 1

PATENT REEL: 025535 FRAME: 0702 OF \$40.00 12938464

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PATENT REEL: 025535 FRAME: 0703

M GRCK-3785 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

LIOUID CRYSTALLINE COMPOUNDS

and for wi	nich one or	more of the following apply:
	U.S. Provi	sional Application Serial No. was filed in the United States Patent and Trademark Office on .
\boxtimes	A U.S. No	n-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 WH	EREAS MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG FRANKFURTER STRASSE 250 DARMSTADT 64293 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 renewals, reissues, reexaminations and extensions 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	inventors signature	1 8. Nov. 2010
Lars LIETZAU	Laws Wyrm	1 %. Nov. 2010
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	18 DATE
Werner BINDER	Very Bick	1 8. NOV. 2010
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Atsutaka MANABE	Starte Bancle	1 6. NOV. 2010
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	1 Q Nov see
Helmut HAENSEL	Win Althe	1 8. Nov. 2010

PATENT REEL: 025535 FRAME: 0704

RECORDED: 12/22/2010