Docket No.: JCLA31223

Form 1595 (Rev. 09/04) RECORDATION FORM (COVER SHEET U. S. Department of Commerce Patent and Trademark Office
PATENTS ONLY	
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below
Name of conveying party(ies) with the execution date:	2. Name/address of receiving Party(ies)
	(1) CHISSO CORPORATION
MASUKAWA TOKIFUMI, April 13, 209	6-32, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA 530-0005, JAPAN
	(2) CHISSO PETROCHEMICAL CORPORATION
3. Nature of conveyance:	
x Assignment Security Agreement	2-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN
Merger Change of Name	
Reassignment Other	Add'1 names of receiving parties Attached? Yes X No
Application number(s) or patent number(s):	
A Patent Application No. (a)	B. Batant No. (a)
A. Patent Application No. (s)	B. Patent No.(s)
12/434,859	·
Additional number attached?	Yes x No
5. Name and address of party to whom	6. Total No. of applications and patents
correspondence concerning document	involved:
should be mailed:	ONE (1)
J. C. Patents	7. Total fee(37CFR§3.41): \$ 40.00
4 Venture, Suite 250	Authorized to be charged by credit card
Irvine, CA 92618	x Authorized to be charge to deposit account
(949) 660-0761	Enclosed
	None required (government interest not affecting title) 8. Payment Information
	a. Credit Card Last 4 Numbers
	Expiration Date b. Deposit Account Number <u>50-0710</u>
Atty Docket No.: JCLA31223	b. Deposit Account Number <u>50-0710</u> Authorized User Name <u>Jiawei Huang</u>
9. Statement and Signature:	
To the best of my knowledge and be Correct and any attached copy is a t	lief, the forging information is true and true copy of the original document.
Jiawei Huang	Total number of pages including cover sheet,
Name of person Signing Signature Registration No. 43,330	Date attachments, and documents: 3

PATENT REEL: 022638 FRAME: 0177

ASSIGNMENT

WHEREAS, 1. Masukawa Tokifumi

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4.

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent;

Title: LIQUID CRYSTAL COMPOUND HAVING NEGATIVE DIELECTRIC ANISOTROPY, LIQUID CRYSTAL COMPOSITION, AND LIQUID CRYSTAL DISPLAY DEVICE

[] Filed:

Serial No.

[X] Executed concurrently with the execution of this instrument

WHEREAS, CHISSO CORPORATION

of 6-32, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Oaska 530-0005 JAPAN CHISSO PETROCHEMICAL CORPORATION

2-1, Otemachi 2-Chome, Chiyoda-ku, Tokyo, Japan

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they wilt, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: Tokifumi Masukawa

RECORDED: 05/04/2009

Date: April 13, 2009

Sole or First Joint Inventor: Tokifumi MASUKAWA

PATENT

REEL: 022638 FRAME: 0179