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U.S DEPARTMENT OF COMMERCE Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof 1. Name of conveying party(ies): 2. Name and address of receiving party(ies)? Akira OHTANI, Takashi YAMAOKA, Daisuke UENDA and Hiroyuki YOSHIMI NITTO DENKO CORPORATION Internal Address: 1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, Japan Additional name(s) of conveying party(ies) attached? Street Address: __ yes ___x no Same as above City State 7in 3. Nature of Conveyance: Additional name(s) & address(es) attached? x Assignment Merger ___ yes __<u>x</u> no ___ Security Agreement ____ Change of Name _ Other Execution Date: September 1, 2000 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: September 1, 2000 A. Patent Application No.(s) B. Patent No(s). Additional numbers attached? Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: One (1) SUGHRUE, MION, ZINN, MACPEAK & SEAS 2100 Pennsylvania Avenue, N.W. Suite 800 7. Total Fee (37 CFR 3.41): x Enclosed. Please charge any underpayment in Washington, D.C. 20037-3202 connection with this Assignment to Deposit Account No. 19-4880. ___ Authorized to be charged to Deposit Account 8. Deposit Account No. (Attach dupl. copy of this page if paying by Deposit Account) DO NOT WRITE IN THIS SPACE 9. Statement and Signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true gof the original document Bhul September 13, 2000 Wanne Mark Boland Reg. No. (32,197 Date TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT:_ OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents 09/25/2000 DHGUYEN 00000727-09651057 **Box Assignments**

Washington, D.C. 20231

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Assignment

Whereas, I/We,

Akira Ohtani, Takashi Yamaoka, Daisuke Uenda and Hiroyuki Yoshimi all of Osaka, Japan

秋

hereinafter called assignor(s), have invented certain improvements in LIQUID CRYSTAL CELL SUBSTRATE

and executed an application for Letters Patent of the United States of America therefor on September 1, 2000; and

Whereas, NITTO DENKO CORPORATION of 1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize	and request my attorney	s SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue,	N.W., Washington, D.C. 2	0037-3202 to insert here in parentheses (Application
number	, filed) the filing date and application
number of said application	when known.	
Date: September 1, 2000	st_ Ahira	Ohtani
Date: September 1, 2000	si Takashi	Yamaoka
Date: September 1, 2000	sı Daisuke sı Teliroyuki	Clanda
Date: September 1, 2000	si/diroyukri	Zasiumi
Date:	s/	•

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

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PATENT REEL: 011099 FRAME: 0438