

01-02-2001

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Form PTO-1595 1-31-92		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
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PATENTS ONLY			
To the Assistant Commissioner of Patents. Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): Seiji UMEMOTO and Toshihiko ARIYOSHI		2. Name and address of receiving party(ies)? NITTO DENKO CORPORATION 1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, Japan	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no		9/1734691	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Names <input type="checkbox"/> Other			
Execution Date: December 1, 2000		Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> 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: December 1, 2000			
A. Patent Application No.(s)		B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3213		6. Total number of applications and registration involved:	
		7. Total Fee (37 CFR 3.41): \$0.00 <input checked="" type="checkbox"/> Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880. <input type="checkbox"/> Authorized to be charged to Deposit Account	
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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 copy of the original document.			
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PATENT
REEL: 011373 FRAME: 0891

Assignment

Whereas, I/We, Seiji Umemoto and Toshihiko Ariyoshi
Osaka, Japan

of

hereinafter called assignor(s), have invented certain improvements in
 LIGHT PIPE, PLANE LIGHT SOURCE UNIT AND LIQUID-CRYSTAL DISPLAY DEVICE

and executed an application for Letters Patent of the United States of America therefor on
 December 1, 2000 ~~19~~ ; 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 attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
 number _____, filed _____) the filing date and application
 number of said application when known.

Date: December 1,
 2000

s/ Seiji Umemoto

Date: December 1,
 2000

s/ Toshihiko Ariyoshi

Date:

s/ _____

Date:

s/ _____

Date:

s/ _____

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