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To the Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies) thereof.

1. Name of conveying party(ies):
Satoshi TANIOKA, Shizuo MURATA, Makoto KONO and Masayuki HIRANO

05-18-1999



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

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

Execution Date: April 7, 1999

2. Name and address of receiving party(ies):

CHISSO CORPORATION
6-32, Nakanoshima 3-chome, Kita-ku,
Osaka-shi, Osaka, Japan

IINUMA GAUGE MANUFACTURING COMPANY LIMITED
11400-1078, Aza-harayama, Tamagawa,
Chino-shi, Nagano, Japan

HAMAMATSU PHOTONICS KABUSHIKI KAISHA
1126-1, Ichinocho, Hamamatsu-shi,
Shizuoka, Japan

Additional name(s) & address(es) attached? 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: April 7, 1999

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? No

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

Name: WENDEROTH, LIND & PONACK, L.L.P.

Internal Address: Attn: Mr. Nils E. Pedersen

04/22/1999 16:07:00 00000420004750
02 FC:581 40.00 DP
City: Washington, D.C. ZIP: 20006

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41). \$ 40.00

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8. Deposit account number: 23-0975

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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.

Nils E. Pedersen, Reg. No. 33,145 April 20, 1999
Name of Person Signing Signature Date

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THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEE FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

(1) Satoshi TANIOKA, (2) Shizuo MURATA, (3) Makoto KONO and

(4) Masayuki HIRANO

**Insert Name(s)
of Inventor(s)**

**Insert Name(s)
of Assignee(s)**

the undersigned hereby sell(s) and assign(s) to
(1)CHISSO CORPORATION of 6-32, Nakanoshima 3-chome, Kita-ku, Osaka-shi,
Osaka, Japan, (2)IINUMA GAUGE MANUFACTURING COMPANY LIMITED of 11400-1078,
Aza-harayama, Tamagawa, Chino-shi, Nagano, Japan and (3)HAMAMATSU PHOTONICS
of KABUSHIKI KAISHA of 1126-1, Ichinocho, Hamamatsu-shi, Shizuoka, Japan

Address

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Thin Film Coating Apparatus and Method, and Method for Producing

**Title of
Invention**

Liquid Crystal Display Device

**Date of Signing
of Application**

for which an application for patent in the United States has been executed by the undersigned on

April 7, 1999

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

**PATENT
REEL: 9945 FRAME: 0691**

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>April 7, 1999</u>	Name of Inventor	<u>Satoshi Tanioka</u>	Satoshi TANIOKA
Date	<u>April 7, 1999</u>	Name of Inventor	<u>Shizuo Murata</u>	Shizuo MURATA
Date	<u>April 7, 1999</u>	Name of Inventor	<u>Makoto Kono</u>	Makoto KONO
Date	<u>April 7, 1999</u>	Name of Inventor	<u>Masayuki Hirano</u>	Masayuki HIRANO
Date	_____	Name of Inventor	_____	
Date	_____	Name of Inventor	_____	

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Mitsumasa Uno

Witness Huniko Tuzubiyama

ACKNOWLEDGEMENT

_____ }
 _____ } ss

This _____ day of _____, 19____, before me
 personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL _____
 _____ Official Signature
 _____ Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date _____
 Applicant Reference Number _____ Atty Docket No. _____
 Title of Invention _____
