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1 SHEET

U.S. DEPARTMENT OF COMMERCE  
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To the Assistant Commissioner for Patents



document(s) or copy(ies) thereof.

and address of receiving party(ies):

1. Name of conveying party(ies):

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Shuichi MATSUI  
Hiroyuki TAKEUCHI  
Yasuhiro KUBO  
Fusayuki TAKESHITA  
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Name: CHISSO CORPORATION

Street Address: 6-32, Nakanoshima 3-chome,  
Kita-ku, Osaka-shi, Osaka 530-0005 Japan

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

3. Nature of conveyance:

Assignment  
 Security Agreement  
 Other  
Execution Date: July 13, 1999

Merger  
Change of Name

09355285

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: July 13, 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: Michael R. Davis, Esq.

Street Address: 2033 K Street, N.W., Suite 800

08/03/1999 MCLAYBRO 00000070 09355285

04 F6:50: Washington, State: DC, 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.

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Signature

July 28, 1999

Date

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# ASSIGNMENT

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

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

(1) HASEBA Yasuhiro, (2) MIYAZAWA Kazutoshi,  
(3) MATSUI Shuichi, (4) TAKEUCHI Hiroyuki,  
(5) KUBO Yasuhiro, (6) TAKESHITA Fusayuki, and  
(7) NAKAGAWA Etsuo

the undersigned hereby sell(s) and assign(s) to

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

CHISSO CORPORATION

**Address**

of 6-32, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 530-0005 Japan

(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

**Title of  
Invention**

Liquid Crystalline Compound Having Fluorine Substituted Alkyl Group,  
Liquid Crystal Composition, and 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  
13th July 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.

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>13 July, 1999</u>	Name of Inventor	<u>Yasukiro Haseba</u>	HASEBA Yasuhiro
Date	<u>13 July, 1999</u>	Name of Inventor	<u>Kazutoshi Miyajawa</u>	MIYAZAWA Kazutoshi
Date	<u>13 July, 1999</u>	Name of Inventor	<u>Shuichi Matsui</u>	MATSUI Shuichi
Date	<u>13 July, 1999</u>	Name of Inventor	<u>Hiroyuki Takeuchi</u>	TAKEUCHI Hiroyuki
Date	<u>13 July, 1999</u>	Name of Inventor	<u>Yasuhiro Kubo</u>	KUBO Yasuhiro
Date	<u>13 July, 1999</u>	Name of Inventor	<u>Fusayuki Takeshita</u>	TAKESHITA Fusayuki
Date	<u>13 July, 1999</u>	Name of Inventor	<u>Etsuo Nakagawa</u>	NAKAGAWA Etsuo

(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 Michiko Niigishi

Witness Fumie Shomai

### 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 \_\_\_\_\_