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attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1.) Mariko KUROSAKI
- 2.) Go ONO
- 3.) Kio MIZUNO

address of receiving party(ies):

Name: Nissan Chemical Industries, Ltd.
Address: 7-1, Kanda-Nishiki-cho 3-chome, Chiyoda-ku,
Tokyo 101-0054 Japan

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 9/09/05, 6/29/05, 8/21/05

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4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application

A. Patent Application No.(s)

10/545,268

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

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22850

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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

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PATENT
REEL: 017972 FRAME: 0089

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

Kio Mizuno of Funabashi-shi, Chiba, Japan

_____ respectively

have invented certain new and useful improvements in: LIQUID CRYSTAL ALIGNING AGENT AND LIQUID

INSERT TITLE OF
INVENTION:

(Application No. 10/545,268, filed August 11, 2005), and

WHEREAS, Nissan Chemical Industries, Ltd.

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 9 . Sep . , 2005
~~21, August, 2005~~

mariko kurosaki
(Signature of Inventor) Mariko Kurosaki

Date: 29 June, 2005

Go Ono
(Signature of Inventor) Go Ono

Date: 21, August, 2005

Kio Mizuno
(Signature of Inventor) Kio Mizuno

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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RECORDED: 06/06/2006

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