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To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hiroyasu NISHIDA,
Naoyuki ENOMOTO and
Michio Komatsu

7-29-02

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

3. Nature of conveyance:

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

Execution Date: 5 February 2002

2. Name and address of receiving party(ies)

Name: Catalysts & Chemicals Industries Co., Ltd.
Address: 580, Horikawa-cho, Saiwai-ku,
Kawasaki-shi, Kanagawa 210-0913, Japan

Additional name(s) & address(es) attached? No

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FINANCE SECTION

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: _____

A. Patent Application No.(s)

10/070,110 filed February 28, 2002

B. Patent No.

Additional numbers attached? Yes No

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

Name: Kent E. Baldauf
Internal Address: Webb Ziesenheim Logsdon
Orkin & Hanson, P.C.
Street Address: 700 Koppers Building
436 Seventh Avenue
City: Pittsburgh State: PA ZIP: 15219-1818

6. Total number of applications and patents involved:

1

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

- Enclosed
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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.

Kent E. Baldauf, Reg. No. 25,826
Name of Person Signing

Kent E. Baldauf
Signature

July 22, 2002
Date

Total number of pages including cover sheet, attachments and document 7

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents, Box Assignments, CG-4, 1213 Jefferson Davis Highway, Suite 320
Washington, D.C. 20231

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JC19 Rec'd PCT/PTO 28 FEB 2002

05-03-2002

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To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Hiroyasu NISHIDA
 Naoyuki ENOMOTO
 Michio KOMATSU
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: CATALYSTS & CHEMICALS INDUSTRIES CO., LTD.
 Internal Address: _____
 Street Address: 580, Horikawa-cho, Saiwai-ku,
Kawasaki-shi, Kanagawa 212-0013, Japan
 City: _____
 State: _____ ZIP: _____
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date: February 5, 2002

02/28/02

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: February 5, 2002

A. Patent Application No.(s)
03/01/2002 LLANDRA 00000080 10070110
03 Feb:581 40.00 OP
 Additional numbers attached? Yes No

B. Patent No.(s)

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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.

Kent E. Baldauf, Reg. No. 25,826 *Kent E Baldauf* February 28, 2002
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents, U.S. Patent and Trademark Office Office of Public Records, Crystal Gateway 4, Room 335 Washington, D.C. 20231

ASSIGNMENT

WHEREAS, We, Hiroyasu NISHIDA, Naoyuki ENOMOTO
and Michio KOMATSU, residing
in c/o Wakamatsu Plant, CATALYSTS & CHEMICALS INDUSTRIES CO., LTD., 13-2, Kita-
minato-machi, Wakamatsu-ku, Kitakyushu-shi, Fukuoka 808-0027, Japan, respectively,
have invented certain new and useful improvements entitled
NOVEL ALUMINA HYDRATE PARTICLE, ALUMINA HYDRATE PARTICLE DISPERSION SOL, COATING LIQUID FOR **
for which we have this day executed an application for United
States Letters Patent;

AND, WHEREAS CATALYSTS & CHEMICALS INDUSTRIES CO., LTD., a
corporation of Japan, having a
place of business at 580, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, 210-09
hereinafter called the "assignee", is desirous of acquiring the Japan
entire right, title, and interest in and to said application and
the inventions and improvements therein disclosed.

NOW, THEREFORE, in consideration of One (\$1.00) Dollar
and other good and valuable consideration paid to us by said
assignee, the receipt of which is hereby acknowledged, we do
hereby assign, sell, transfer, and set over unto said assignee
the entire right, title and interest in and to said application
and the inventions and improvements therein disclosed for the
United States and all foreign countries and any Letters Patent
which may issue therefor in the United States and all foreign
countries and all divisions, reissues, continuations, renewals,
and/or extensions thereof, said assignee to have and to hold the
interests herein assigned to the full ends of the terms of said
Letters Patent and any and all divisions, reissues,
continuations, renewals, and/or extensions thereof, respectively,
as fully and entirely as the same would have been held and
enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested
to issue such Letters Patent in accordance herewith. We covenant
that we are the lawful owners of the said application,
inventions, and improvements, that the same are unencumbered,
that no license has been granted to make, use, or vend the said
inventions or improvements or any of them, and that we have the
full right to make this assignment.

And for the consideration aforesaid, we agree jointly
and individually that we will communicate to said assignee or the
representatives thereof any facts known to us respecting said
inventions and improvements, and will, upon request, but without
expense to us, testify in any legal proceedings, sign all lawful
papers, execute all divisional, reissue, continuation, renewal,
and/or extension applications, make all rightful oaths, and
generally do all other and further lawful acts, deemed necessary
or expedient by said assignee or by counsel for said assignee, to
assist or enable said assignee to obtain and enforce full
benefits from the rights and interests herein assigned. This
assignment shall be binding upon our heirs, executors,

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administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED February 5, 2002 ✓

Hiroyasu Nishida
Hiroyasu NISHIDA

Naoyuki Enomoto
Naoyuki ENOMOTO

Michio Komatsu
Michio KOMATSU

Tsuyoshi
Witness

Takanori Iida
Witness