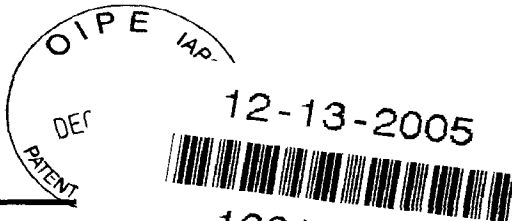


Atty Docket No.: 277479US0

FORM PTO-1595
06-04



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Director of the United States Patent and Trademark Office 103134905

attached original documents or copy thereof.

1. Name of conveying party(ies):

Nobuhiro HATA
Guoqing GUAN
Takenobu YOSHINO
Syoza TAKADA

12/6/05

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

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

Name: National Institute of Advanced Industrial Science and Technology
Address: 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921, JAPAN

3. Nature of Conveyance:

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

Execution Date: November 7, 2005

Additional name(s) and address(es) attached? ☐ Yes ☒ No

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

☐ This document is being filed together with a new application

A. Patent Application No.(s)

11/212,844

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220

6. Total applications and patents involved: One

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Frederick D. Vastine
Name of Person Signing

Signature

December 6, 2005
Date

Registration Number: 27,013

Total number of pages including this cover sheet: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office
Mail Stop Assignment Recordation Services
Alexandria, Virginia. 22313

11/13/05 10:00:00 103134905

40.00 US

PATENT
REEL: 017326 FRAME: 0348

Assignment of Application

Page 1 of 2

WHEREAS, I (WE) 1. Nobuhiro HATA, 2. Guoqing GUAN, 3. Takenobu YOSHINO and
4. Syozo TAKADA

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

all of c/o National Institute of Advanced Industrial Science and Technology,

16-1 Onogawa, Tsukuba-shi, Ibaraki 305-8569, JAPAN

, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in:

ZEOLITE NANO-CRYSTAL SUSPENSION, ZEOLITE NANO-CRYSTAL PRODUCTION METHOD,
ZEOLITE NANO-CRYSTAL SUSPENSION PRODUCTION METHOD. AND ZEOLITE THIN FILM

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on November 7, 2005

(Application No. 11/212,844 , filed August 29, 2005), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, National Institute of Advanced Industrial Science and Technology

(hereinafter referred to as "ASSIGNEE") having a place of business at:

3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921, JAPAN

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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.

10/01

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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: November 7, 2005

Nobuhiro Hata
(Signature of Inventor) Nobuhiro HATA

Date: November 7, 2005

Guoqing GUAN
(Signature of Inventor) Guoqing GUAN

Date: November 7, 2005

Syozo Takada
(Signature of Inventor) Syozo TAKADA

Date: November 7, 2005

Takenobu Yoshino
(Signature of Inventor) Takenobu YOSHINO

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA 22202

10/01