To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Yoshio KATSURO, Masaru SHIMOYAMA, Hiroshi MAEDA and Shoji OISHI

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

3. Nature of Conveyance:
☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: Corrected Recordation Form Cover Sheet
Reel/Frame 010827/00336, Bar Code Number *101376052A* to correct the 2nd assignor’s name.

Execution Date: October 22, 23, 23 and 23, 1997 Additional name(s) and address(es) attached? ☐ Yes ☑ 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:

A. Patent Application No.(s) ☐
08/945,318

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☑ No

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

22850
Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 10/98)

6. Total applications and patents involved: 1

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.

Norman F. Oblon
Name of Person Signing
Registration Number: 24,618

Signature

Date

Total number of pages including this cover sheet: 6

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
   1. Yoshio KATSURO
   2. Nasaru SHIMOYAMA
   3. Hiroshi MAEDA
   4. Shoji OISHI

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

3. Nature of Conveyance:
   □ Assignment
   □ Security Agreement
   □ Change of Name
   □ Other

   Execution Date: October 22, 1997 and October 23, 1997

2. Name and address of receiving party(ies):
   Name: MITSUBISHI CHEMICAL CORPORATION
   Address: 5-2, Marunouchi 2-chome
   Chiyoda-ku
   Tokyo 100 JAPAN

   Additional name(s) and address(es) attached? □Yes ■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:
   1
   A. Patent Application No.(s)
      08/945,318
   B. Patent No.(s)

   Additional numbers attached? □Yes ■No

5. Name and address of party to whom correspondence concerning document should be mailed:
   OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
   Attorneys at Law
   Fourth Floor
   1755 Jefferson Davis Highway
   Arlington, Virginia 22202

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41):
   □ 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.

   Harris A. Pitlick
   Name of Person Signing

   Registration Number: 38,779

   Signature
   Date: May 16, 2000

   Total number of pages including this cover sheet: 3
Assignment Of Application

WHEREAS, I (WE) 1) Yoshio Katsuro, 2) Masaru Shimoyama,
3) Hiroshi Maeda and 4) Shoji Oishi

1) and 2) of c/o Mitsubishi Chemical Corporation
   Kurokaki Development Center
   1-1 Kurokaki Shiroishi, Yahata Nishi-ku,
   Kitakyushu-shi, Fukuoka-ken, 606 Japan

4) of c/o Mitsubishi Chemical Corporation
   Kurokaki Plant
   1-1 Kurokaki Shiroishi, Yahata Nishi-ku,
   Kitakyushu-shi, Fukuoka-ken, 606 Japan and

3) of c/o Mitsubishi Chemical Corporation Kashima Plant
   14, Sunayama Hasaki-machi, Kashima-gun, Ibaraki-ken,
   314-02 Japan

have invented certain new and useful improvements in: PROCESS FOR PRODUCING A
SYNTHE TIC QUARTZ POWDER AND PROCESS FOR PRODUCING A SHAPED PRODUCT
OF QUARTZ GLASS

for which an application for Letters Patent was executed on October 22 and 23, 1997
(Application No. 08/945,318, filed November 26, 1997), and

WHEREAS, Mitsubishi Chemical Corporation

(hereinafter referred to as "ASSIGNEE") having a place of business at:
5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100 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, continua-
tions, 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 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: Oct 22, 1997

(Signature of Inventor) Yoshio Katsuro

Date: Oct 23, 1997

(Signature of Inventor) Masaru Shimoyama

Date: Oct 23, 1997

(Signature of Inventor) Hiroshi Maeda

Date: Oct 23, 1997

(Signature of Inventor) Shoji Oishi

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

RECORDED: 10/16/2000

PATENT
REEL: 011244 FRAME: 0701