FORM PTO-1595 1-31-92

100708458 To the Honorable Commissioner of Patents and Tr and anached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Akira UTSUNOMIYA, Yoshio KATSURO, Akihiro Name: Mitsubishi Chemical Corporation TAKAZAWA, and Takashi MORIYAMA Address: Additional name(s) of conveying party(ies) attached?□ Yes ■ No 5-2. Marunouchi 2-cho 3. Nature of Conveyance: Chiyoda-ku, Tokyo 100, Japan □ Merger Assignment ☐ Security Agreement □ Change of Name □ Other Execution Date: November 12, 1997 Additional name(s) & 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: B. Patent No.(s) A. Patent Application No.(s) 08/974,679 Additional numbers attached? □ Yes ■ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: One concerning document should be mailed: OBLON, SPIVAK, McCLELLAND, MAIER & 7. Total fee (37 CFR 3.41): \$40.00 NEUSTADT, P.C. Enclosed Attorneys at Law □ Authorized to be charged to deposit account Fourth Floor 1755 Jefferson Davis Highway Arlington, Virginia 22202 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 Signature Name of Person Signing Total number of pages including cover sheet: Registration No. 24,618

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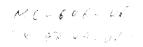
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Assignment Of Application

Page 1 of 2

| | WHEREAS, I (WE) Akira Utsunomiya, Yoshio Katsuro, |
|--|--|
| NSERT NAMES IND RESIDENCE IDDRESSES OF THE INVENTORS: | Akihiro Takazawa and Takashi Moriyama |
| HE INVENTORS. | all of: c/o Kurosaki Plant |
| | Mitsubishi Chemical Corporation |
| | 1-1, Kurosakishiroishi, Yahatanishi-ku, |
| | Kitakyushu-shi, Fukuoka 806, Japan |
| | |
| | |
| | |
| | |
| | , respectively, |
| NSERT TITLE OF INVENTION: | have invented certain new and useful improvements in: SILICA GEL, SYNTHETIC QUARTZ |
| | GLASS POWDER AND SHAPED PRODUCT OF QUARTZ GLASS |
| NSERT DATE IN- TENTORS SIGNED DECLARATION: | for which an application for Letters Patent was executed on November 12, 1997 |
| | (Application No08/974,679, filedNovember 19, 1997), and |
| NSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE: | WHEREAS,Mitsubishi Chemical Corporation |
| HER ASSIGNEE: | (hereinafter referred to as "ASSIGNEE") having a place of business at: |
| | 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100, Japan . |
| | is acquiring the entire right, title and interest in and to said invention and in and to any L. Sent 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.

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.

EXECUTED AT JAPAN

| Date: | Nov. 12. 1997 | Akira | Utsunomiya |
|---------|---------------|--|--------------------------------|
| Dale | | (Signature of Inventor) | Akira Utsunomiya |
| Date: | Vov. 12. 1997 | Unhi | Voshio Katsuro |
| | | <i>i)</i> | |
| Date:_ | Nov. 12. 1999 | Akihir | o Zakazawa Akihiro Takazawa |
| | | (Signature of Inventor) | Akihiro Takazawa |
| Date: | Nov. 12. 1997 | Takash | Takashi Moriyama |
| | | (Signature of Inventor) | Takashi Moriyama |
| Date:_ | | | |
| | - | (Signature of Inventor) | |
| Date: _ | | (Signature of Inventor) | |
| | | (Signature of Inventor) | |
| Date:_ | | - Company of the comp | |
| | | (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

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