Atty Docket No.: 0059-1

FORM PTO-1595 1-31-92 0059-1175-0



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the . original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Junichi EBISAWA, Nobutaka AOMINE, Satoshi TAKEDA, Name: Asahi Glass Company Ltd. Kazuyoshi NODA and Daniel DECROUPET Address: 1-2, Marunouchi 2-chome, Chiyoda-Tokyo 100-8305, Japan Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other December 8, 1999, December 9, Additional name(s) and address(es) attached? □Yes ■No 1999, December 10, 1999, December 10, 1999 and November 30, 1999 Execution Date: 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: December 8, 1999, December 9, 1999, December 10, 1999, December 10, 1999, November 30, 1999 09/466186 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? □Yes ■No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 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 8. Deposit account number: 15-0030 1755 Jefferson Davis Highway (Attach duplicate copy of this page if paying by deposit account) Arlington, Virginia 22202 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. James J. Kelly, Ph.D. Name of Person Signing Signature Registration Number: 41,504 01/07/2000 JARTIS **00000010 0346678** tal number of pages including this cover sheet: 02 FC:581 40.00 BP Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

**PATENT** 

**REEL: 010472 FRAME: 0528** 

|   | WHEREAS, I (WE) 1) Junichi Ebisawa, 2) Nobutaka Aomine,  |    |
|---|--|----|
| INSERT NAMES  | 3) Satoshi Takeda, 4) Kazuyoshi Noda and   |    |
| AND RESIDENCE<br>ADDRESSES OF<br>THE INVENTORS:           | 5) Daniel Decroupet  |    |
|   |  |    |
|   | 1) to 3) of c/o Asahi Glass Company Ltd.   |    |
|   | 1150, Hazawa-cho, Kanagawa-ku, Yokohama-shi,   |    |
|   | KANAGAWA 221-8755 JAPAN,   |    |
|   | 4) of c/o Asahi Glass Company Ltd.   |    |
|   | 426-1, Sumida, Aikawa-machi, Aiko-gun,   |    |
|   | KANAGAWA 243-0301 JAPAN and  |    |
|   | 5) of c/o Glaverbel  |    |
|   | Centre de Recherche & Développement  |    |
|   | Rue de I'Aurore 2-B6040 Jumet-Belgium, respectively,   |    |
| SERT TITLE<br>F INVENTION:                                | have invented certain new and useful improvements in:GLAZING PANEL   |    |
| ISERT DATE IN-<br>ENTORS SIGNED<br>ECLARATION:            | for which an application for Letters Patent was executed on December 8, 9 and 10, 199  | }9 |
|   | (Application No, filed), and   |    |
| SERT NAME<br>ND ADDRESS OF<br>OMPANY OR<br>THER ASSIGNEE: | WHEREAS, Asahi Glass Company Ltd.  |    |
| TEN AGGIONEE.   | (hereinafter referred to as "ASSIGNEE") having a place of business at:   |    |
|   | 1-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8305, 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.

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PATENT REEL: 010472 FRAME: 0529 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: Dec/8/99         | Juneli Ebisono                           |
|------------------------|--|
| Date.                  | (Signature of Inventor) Junichi Ebisawa  |
| Date: Dec/9/99         | nolntaka armine                          |
| Date:                  | (Signature of Inventor) Nobutaka Aomine  |
| Date: Dec/10/99        | Satoshi Jakeda                           |
| Date:                  | (Signature of Inventor) Satoshi Takeda   |
| Date: Ded 10/99        | Kazuyoshi Noda                           |
| Date: PEG 17           | (Signature of Inventor) Kazuyoshi Noda   |
| Date: 30 November 1999 | Spiel Deceouply                          |
| Date: 00 November 100  | (Signature of Inventor) Daniel Decrouped |
|                        |  |
| Date:                  | (Signature of inventor)                  |
|                        |  |
| Date:                  | (Signature of Inventor)                  |
|                        |  |
| Date:                  | (Signature of Inventor)                  |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW

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PATENT REEL: 010472 FRAME: 0530

**RECORDED: 12/20/1999**