| FORM PTO-1619A Expires 06/30/99 | FEB 2 0 2002 | 02-27- | _ | rtment of Comme d Trademark Off PATENT |
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| , , , | Cany | 11441717 | | |
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PATENT REEL: 012602 FRAME: 0955

| FORM PTO-1619B Expires 06:30/99 OMB 0651-0027 | Page 2 | U.S. Department of Commerce Patent and Trademark Office PATENT |
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Name of Person Signing

Harry B. Shubin

PATENT REEL: 012602 FRAME: 0956

February 20, 2002

Date

ASSIGNMENT

ATTY DOCKET NO.: SGT-44

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) buteinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

| INTERFERENCE | FITTER | HAVING A | L GLASS: | SUBSTRATE |
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|--------------|---------------|----------|----------|-----------|

| × | for which an application for Letters Parent to be filled in the United States Patent and Tran | demark uther was executed on even date |
|------------|---|--|
| ⊠ k | for which U.S. Application Squal No for Letters Patent was filed in the U.S. Patent and | d Tragemerk Office on |
| | 1.07035, 486 as designating the United St | January 7, 2002 |
| | and whercas | |
| | Schott Glass Technologies, Inc 400 York Avenue | |

herematter referred to as the ASSIGNEE, is desirous of acquiring the entire right, fille, and interest in and to said invention and application(s), including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all tetters Patent which may be granted thereof, including any and all tenewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, fitle and interest in and to said invention and application(s), including any and all divisions and communicate thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, research and respect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning said anythenion, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all renewals, ressures, and foreign),divisions and communities thereof, and any and all letters Patent which may be granted therefor, including any and all renewals, ressures, and foreign, and extensions thereof, with all the rights, powers, privileges and advantages in anywase arising from or appertaining thereto, for additing the term of terms of any and all such Letters Patent when granted, including any and all renewals, reassures, reexaminations and extensions thereof for the use and benefit of ASSIGNEE and its assigns and legal representatives, in an ample and henceficial a manner to all interest and purposes as the ASSIGNOR might or could have held and employed the same, if the assignment had not been made

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and accurring Letters Paterns thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and communitions thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification 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

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

| 201 FULL NAME OF SOLE OR FORST NAMED INVENTOR | NVENTOR'S SIGNATURE | DATE |
|---|----------------------|----------------|
| | | 1-2-02 |
| Sally Pucilowski | Jacu Julionski | DATE |
| 202 FULL NAME OF SECOND JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| David G. Krashkevich | Wand & Krush Keuch | 1-2-02 DATE |
| 301 FULL MAME OF THIRD JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 204 FULL NAME OF FOURTH JOENT INVENTOR | INVENTOR'S VIGNATURE | DATE |
| 205 FULL NAME OF PIFTH JOINT INVENTOR | Diventor-; signature | DATE |
| 200 FULL NAME OF SIXTH JOINT INVENTOR | in√entoks sich≺tuks | DATE |
| 207 FULL NAME OF SEVENTH JOINT INVENTOR | invên yûnê sichatûrê | BATE |
| 208 FULL NAME OF EXCHAN JOINT (NVENTOR | D:VENTOR'S SKINATURE | DATE |
| 200 FULL NAME OF NINTH JOINT IN YENTON | DIVENTOR'S SIGNATURE | DATE |
| 210 FULL NAME OF TENTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |

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RECORDED: 02/20/2002