| FORM PTO-1619A Expires 06/30/99 | , C. 98 | 06-14-2002 | U.S. Department of Commerce Patent and Trademark Office PATENT | |
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| ATT. | A RE | 102122396 | 6-10-02 | |
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| Name [| Millen, White, Zelano & Braniga | | | |
| Address (line 1) | 2200 Clarendon Boulevard | | | |
| | | | | |
| Address (line 2) | Suite 1400 | | | |
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|---|--|--|---|
| Correspondent | Name and Ad | ddress Area Code and Telephone No | (703) 243-6333 |
| Name | Millen, White | , Zelano & Branigan, P.C. | |
| Address (line 1) | 2200 Clarend | on Boulevard | |
| Address (line 2) | Suite 1400 | | |
| Address (line 3) | Arlington, VA | 22201 | |
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PATENT REEL: 012976 FRAME: 0062

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MERCK-2420

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

Photoisomerizable Compounds

| □ [X] | for which an application for Letters I for which U.S. Application Serial No. | atent to be filed in the Unit 10/115,940 | ted States Patent and Trademark for Letters Patent was filed in the | COffice was executed on even date. he U.S. Patent and Trademark Office on April | 5, | 200 |
|-------------------|---|---|--|---|----|-----|
| | for which an International Application | on was filed on | as | , designating the United States | | |
| | | MERCK PATENTO MIT BESCHRÄNK Darmstadt, German | CTER HAFTUNG | | | |

hereinafter referred to as the ASSIGNEE, is desirous of acquaring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, 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 representives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all representations and extensions thereof, and in and to any and all priority and/or conventions rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letter Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privilegs and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extension thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as simple and benefical a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to executed 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 executed any other papers that may be needed in connection with filing said applications and securing Letters Patents 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 continuations 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

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 THEREOF this assignment os executed by ASSIGNOR

| 201 FULL NAME OF SOLE INVENTOR OF FIRST NAMED INVEN | TOR INVENTOR'S SIGNATURE | DATE |
|---|--------------------------|--------------|
| Louise Diane Farrand | Louis Diane Farran | May 21, 2002 |
| 02 FULL NAME OF SECOND JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| Christopher Worrall | Catherina | May 21, 2002 |
| 03 FULL NAME OF THIRD JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| Owain Llyr Parri | Owain Llig Kor | May 21, 2002 |
| 04 FULL NAME OF FOURTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 205 FULL NAME OF FIFTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 206 FULL NAME OF SIXTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 207 FULL NAME OF SEVENTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 208 FULL NAME OF EIGHTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 209 FULL NAME OF NINETH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 210 FULL NAME OF TENTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 211 FULL NAME OF ELEVENTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |
| 212 FULL NAME OF TWELFTH JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE |

PATENT RECORDED: 06/10/2002 REEL: 012976 FRAME: 0063