MAR 1 6 2001

To the Honorable Commissioner of Patents and Trademarks: riense red documents or copyethereof.ached original

| | documents or copyrightereor, 1859 | |
|----|--|--|
| | 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): |
| | Katsuhisa NITTA Bangyin LI No additional names attached | MERCK Patent Gesellschaft mit beschraenkter Haftung Frankfurter Strasse 250 D-64293, DARMSTADT, GERMANY |
| | 3. Nature of Conveyance: 3-/6-6/ ■ assignment □ merger □ security agreement □ change of name □ other | No additional names(s) or address(es) attached ■ |
| ŀ | EXECUTION DATE: October 5, 2000 | |
| | 4. Application number(s) or patent number(s): THIS DOCUMENT IS NOT BEING FILED WITH | I A NEW APPLICATION. |
| ap | A. Patent Application Number(s) 09/680,506 | B. Patent Number(s) |
| | 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: 1 7. Total fee (37CFR 3.41) \$40.00 Check enclosed |
| | Name: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. Address: Arlington Court Plaza I Suite 1400 2200 Clarendon BLVD. | ■ Charge any deficiencies in the payment of fees associated with this communication or credit any overpayment to 8. DEPOSIT ACCOUNT NO. 13-3402 |
| | Arlington, VA 22201 | |
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| | 9. Statement and Signature. To the best of my knowledge and is true and correct and any attach original document. | belief, the foregoing information ned copy is a true copy of the March 16, 2001 |
| | Beth G. Kcehan Signa | Date |

Signature

Total number of pages including cover sheet, attachments and documents: 2

Attorney Docket # MERCK-2169

Legal Assistant for Applicant(s)

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PATENT REEL: 011588 FRAME: 0424

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ATTY. DOCKET NO.: Q 169

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

| Hig | hly o | rientated | flaky | pigment | and | а | process | for | producing | the | same |
|-----|-----------|---|-------------|---------------------------------------|-----------|-------------|-------------------------------------|---------------------|---|--------------------|-----------------------------------|
| | | ch an application for th U.S. Application ctober 5. | | 1097 880° | in the Ur | nited fo | States Patent a r Letters Patent | nd Trad was file | emark Office was ead in the U.S. Patent | xecuted and Tra | on even date. ademark Office o |
| | for which | ch an International | Application | was filed on | | | as _ | | , desi | gnating | the United States |
| | AND W | HEREAS | I | MERCK PA MIT BESCH Darmstadt, (| IRÄN | KΤ | | | | | |

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 renewals, reissues, reexaminations and extensions thereof, and 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 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 INVENTOR | INVENTOR'S SIGNATURE | DATE |
|--|--|----------|
| | Watsulisa Nous INVENTOR'S SIGNATURE | 05.10.00 |
| Katsuhisa Nitta | INVENTOR'S SIGNATURE | DATE |
| 202 FULL NAME OF SECOND JOINT INVENTOR | Bungyin Ir | 05.10.00 |
| Bangyin Li | INVENTOR'S SIGNATURE | DATE |
| 203 FULL NAME OF THIRD JOINT INVENTOR | INVENTOR'S SIGNATURE | |
| | INVENTOR'S SIGNATURE | DATE |
| 204 FULL NAME OF FOURTH JOINT INVENTOR | INVENTOR'S SIGNATION | |
| | INVENTOR'S SIGNATURE | DATE |
| 205 FULL NAME OF FIFTH JOINT INVENTOR | MADATOKS SIGNATUS. | |
| | INVENTOR'S SIGNATURE | DATE |
| 206 FULL NAME OF SIXTH JOINT INVENTOR | MARKIONS | |
| | INVENTOR'S SIGNATURE | DATE |
| 207 FULL NAME OF SEVENTH JOINT INVENTOR | MACHIONS | |
| | INVENTOR'S SIGNATURE | DATE |
| 208 FULL NAME OF EIGHTH JOINT INVENTOR | III V EIVI OIL | |
| | INVENTOR'S SIGNATURE | DATE |
| 209 FULL NAME OF NINETH JOINT INVENTOR | INVENTORS STOP | |
| | INVENTOR'S SIGNATURE | DATE |
| 210 FULL NAME OF TENTH JOINT INVENTOR | III VERTORS DE L | |
| | INVENTOR'S SIGNATURE | DATE |
| 211 FULL NAME OF ELEVENTH JOINT INVENTOR | III4 A FIA LOKO STOTE | _ |
| | INVENTOR'S SIGNATURE | DATE |
| 212 FULL NAME OF TWELFTH JOINT INVENTOR | HAAFMIONGOIGH | |

RECORDED: 03/16/2001

PATENT REEL: 011588 FRAME: 0425