FORM PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp 6/30/2008)

11-14-2006 U.S. Department of Commerce **Patent and Trademark Office**

Attorney Docket No.: 07810.0126 Attorney Customer Number: 22,852

| To the D | irector of the U.S. Patents and | 33360 | 94 | ned | original docum | ents or copy t | hereof. | |
|--|---|---|---|----------------------------------|--|--------------------------------|-----------------|--|
| 1. | Name of conveying parties: | 50000 | Name and address of receiving party: | | | | | |
| | 1) Ismail YILDIRIM 2) Robert J. PRUETT | | Name: | 18 | MERYS PIGME | ENTS, INC. | | |
| Additional name of conveying party attached? ☐ Yes ☒ No | | | Internal Address: | | | | | |
| 3. Nature of conveyance/Execution Dates: Inventor 1: January 26, 2005; and Inventor 2: January 27, 2005 | | | Street 100 Mansell Court East, Address: | | | | | |
| \boxtimes | Assignment | | City: Roswell | | | | | |
| | Security Agreement | Name | State: | | GA | Zip Code: | 30076 | |
| | Joint Research Agreement | | | | | | | |
| | Government Interest Assignment | | Additional name & Address attached? | | | | | |
| | Executive Order 9424, Confirmatory License | ☐ Yes | | | | | | |
| | Other | | | | | | | |
| 4. | Application number or patent number: | \boxtimes | This docume | ent is bei | ng filed togethe | er with a new a | application. | |
| A. | Patent Application Number: | | B. Pa | atent Nu | mber: | 11/579 | 110 | |
| | | | | | (| 1115 19 | 402 | |
| | Additional numbe | ers attache | d? □\ | Yes | ⊠ No | | | |
| 5. | Name and address of to whom correspondenc concerning document should be mailed: | 6. Total number of applications and registrations involved: 1 | | | | | | |
| Name: | me: Mr. Ernest F. Chapman | | | 7. Total fee (37 CFR 3.41): \$40 | | | | |
| | | | AI S | uthorized nclosed | d to be charged d to be charged (Please charge lired (governm | to deposit ac deficiency to | | |
| Internal | Address: FINNEGAN, HENDERSON, FARAI GARRETT & DUNNER, L.L.P. | BOW, | 8. Paymen | t Informa | ation | | | |
| Street A | ddress: 901 New York Avenue, NW | | | . Credit (| Expira | Numbers tion Date | | |
| City: | Washington, D.C. | | b. | . Deposit | Account No.: | <u>0</u> | <u>6-0916</u> | |
| State: | Zip: 20001 | -4413 | | Author | ized User Nam | e | | |
| 8. | 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. | | | | | | | | |
| | Ernest F. Chapman | Cu | 0 | Ken | | November | 2, 2006 Date | |
| Registration No. 25,961 | | | Signature | • | | | | |
| Total number of pages including cover sheet, attachments and documents: 3 | | | | | | | | |
| Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: | | | | | | | | |

Mail Stop Assignment Recordation Services, Director of the USPTO, PO box 1450, Alexandria, VA

11/08/2006 HVUDNG1 00000026 11579406 06 FC:8021

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 07810.6031-01

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHODS OF CALCINING PARTICULATE MATERIAL

for which We filed an application for United States Letters Patent on December 15, 2004, Application No. 60/635,944; and

WHEREAS, Imerys Pigments, Inc., a corporation of Georgia whose post office address is 100 Mansell Court East, Roswell, Georgia 30076 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. 60/635,944, filed December 15, 2004, and all non-provisional, divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

| County of | Washington) s | Name: s. Address: | Ismail Yildirim 150 Jacobs Circle Milledgeville, Georgia | | | | | |
|---|------------------|----------------------|--|--|--|--|--|--|
| State of | <u>Designa</u> ; | By: Date: | 1 26/2005 Smail Yildirim | | | | | |
| Subscribed and sworn to before me this Aleth day of Jan., 2005 Cacilia Notary Public | | | | | | | | |

MY COMMISSION EXPIRES JULY 9, 2008

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 07810.6031-01

Robert J. Pruett Name: Address: 113 Cambridge Drive N. SS. Milledgeville, Georgia 31061 By: Date:

Subscribed and sworn to before me this 27th day of 2005, 2005

MY COMMISSION EXPIRES JULY 9, 2008

Page 2 of 2

RECORDED: 11/02/2006

PATENT

REEL: 018549 FRAME: 0486