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FORM PTO-1595
(Rev. 08/05)



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 050103-0661

103386398

To the Director of the U. S. Patent and Trademark Office. Please record the attached documents or the new address(es) below.

1. Name of Conveying Party(ies)

Samuel D. HARKNESS, IV, Hans J. RICHTER

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): February 27, 2007

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: SEAGATE TECHNOLOGY LLC

Internal Address:

Address: 920 Disc Drive
P.O. Box 66360
Scotts Valley, CA 95067-0360

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

A. Patent Application No(s).

☒ This document is being filed together with a new applicatio

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: MCDERMOTT WILL & EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

Phone Number: 202.756.8000

Fax Number: 202.756.8087

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)n

8. Payment Information:

- a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 500417
Authorized User Name _____

9. Signature.

Aaron Weisstuch, 41,557

March 5, 2007

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 3

OMB No. 0651-0027 (exp. 6/30/2008)

03/22/2007 DBYRNE 00000028 500417 11713652

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PATENT
REEL: 019075 FRAME: 0123

ASSIGNMENT

WHEREAS WE, Samuel D. HARKNESS, IV and Hans J. RICHTER of Berkeley, CA and Palo Alto, CA, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled QUANTUM DOT SENSITIZED WIDE BANDGAP SEMICONDUCTOR PHOTOVOLTAIC DEVICES & METHODS OF FABRICATING SAME, and filed concurrently herewith;

AND WHEREAS, SEAGATE TECHNOLOGY LLC, a Limited Liability Company of the State of Delaware, and having an address of 920 Disc Drive, P. O. Box 66360, Scotts Valley, California 95067-0360 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto SEAGATE TECHNOLOGY LLC, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said SEAGATE TECHNOLOGY LLC, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

February 27, 2007

Date

Samuel D. Harkness, IV

Samuel D. Harkness, IV

Date

Feb. 27, 2007

Hans J. Richter

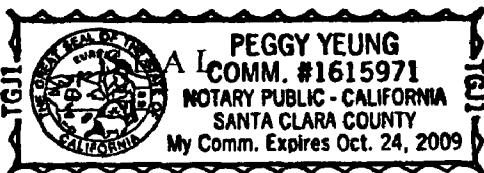
Hans J. Richter

STATE OF CALIFORNIA)

COUNTY OF Alameda)

SS:

On this 27 day of Feb, 2007, before me personally appeared Samuel D. Harkness, IV, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

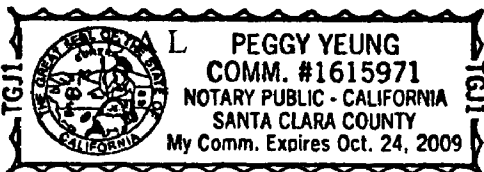
My commission expires OCT 24, 2009

STATE OF CALIFORNIA)

COUNTY OF Alameda)

SS:

On this 27 day of Feb, 2007, before me personally appeared Hans J. Richter, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

My commission expires OCT 24, 2009