

Form **PTO-1595** (Rev. 03/05)
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09-14-2007

U.S. DEPARTMENT OF COMMERCE
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SEP 10 2007



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cuments or the new address(es) below.

1. Name of conveying party(ies)

Alexei Hiram Sacks

Haoying Sun and Thomas Zirps

9-10-07

2. Name and address of receiving party(ies)

Name: SEAGATE TECHNOLOGY LLC

Internal Address: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 9/10/2007☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other _____Street Address: 920 Disc DriveCity: Scotts ValleyState: CACountry: USZip: 95066Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

11/810,320

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Randal K. McCarthy, Fellars, Snider, Blankenship, Bailey & Tipples, PC

Internal Address: _____

Street Address: 100 North Broadway, Suite 1700City: Oklahoma CityState: OK Zip: 73102-8820Phone Number: 405 601-2798

Fax Number: _____

Email Address: _____

6. Total number of applications and patents involved: 2

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)

8. Payment Information

a. Credit Card Last 4 Numbers 1011Expiration Date 01/09

b. Deposit Account Number _____

Authorized User Name Shelley McCarthy

9. Signature: _____

Signature

Date

Mitchell K. McCarthy, Reg. 38,794

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 6

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, P.O. Box 1450, Alexandria, V.A. 22313-1450

09/12/2007 HLE333 00000004 11810320

02 FC:0021

40.00 DP

ASSIGNMENT

Docket No. STL10801.1

WHEREAS, I/we, Alexei Hiram Sacks of 6321 Valley View Road, Edina, Minnesota 55436, Haoying Sun of 4605 Beechwood Hollow, Austin, Texas 78731 and Thomas Zirps of 4106 York Avenue S., Minneapolis, Minnesota 55410, are the inventors of an invention entitled BI-DIRECTIONAL SERVO TRACK WRITING TO MINIMIZE SIDEWALL WRITING AT HIGH SKEW ANGLES that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 11/810,320 filed on June 4, 2007 and/or executed on even date herewith; and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ and filed on _____; and

WHEREAS, SEAGATE TECHNOLOGY LLC, a company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified applications, all provisional applications for which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/We have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

Alexei H. Saks
Alexei Hiram Saks (Inventor)

Subscribed and sworn to before me at BLOOMINGTON, MN, a Notary Public, this 10 day of
SEPTEMBER, 2007.
(city or county and state)

Marcia A. Ramthun
Notary Public



Haoying Sun (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of
_____, 20____.
(city or county and state)

Notary Public

(Seal)

Thomas Zirps (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of
_____, 20____.
(city or county and state)

Notary Public

(Seal)

Alexei Hiram Sacks (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of _____, 20____.

Notary Public

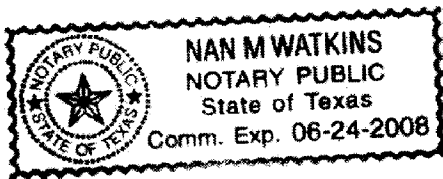
(Seal)

Haoying Sun
Haoying Sun (Inventor)

Subscribed and sworn to before me at Irving, Texas, a Notary Public, this 10th day of September, 2007.

Nan M. Watkins
Notary Public

(Seal)



Thomas Zirps (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of _____, 20____.

Notary Public

(Seal)

Alexei Hiram Sacks (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of _____, 20____.
(city or county and state)

Notary Public

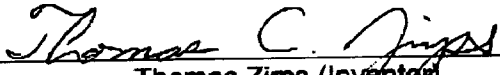
(Seal)

Haoying Sun (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of _____, 20____.
(city or county and state)

Notary Public

(Seal)



Thomas Zirps (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of _____, 20____.
(city or county and state)

Notary Public

(Seal)