

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Christopher Apanius</td><td>01/09/2008</td></tr><tr><td>Robert A. Shick</td><td>01/04/2008</td></tr><tr><td>Hendra Ng</td><td>01/03/2008</td></tr><tr><td>Andrew Bell</td><td>01/03/2008</td></tr><tr><td>Wei Zhang</td><td>01/03/2008</td></tr><tr><td>Phillip S. Neal</td><td>01/02/2008</td></tr></tbody></table>	Name	Execution Date	Christopher Apanius	01/09/2008	Robert A. Shick	01/04/2008	Hendra Ng	01/03/2008	Andrew Bell	01/03/2008	Wei Zhang	01/03/2008	Phillip S. Neal	01/02/2008	
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Wei Zhang	01/03/2008														
Phillip S. Neal	01/02/2008														
RECEIVING PARTY DATA															
Name:	Promerus LLC														
Street Address:	9921 Brecksville Road, Building R														
City:	Brecksville														
State/Country:	OHIO														
Postal Code:	44141														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11903190</td></tr></tbody></table>	Property Type	Number	Application Number:	11903190											
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Application Number:	11903190														
CORRESPONDENCE DATA															
Fax Number: (412)471-4094 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone: 4124718815															
Email: webblaw@webblaw.com															
Correspondent Name: The Webb Law Firm PC															
Address Line 1: 436 Seventh Avenue, 700 Koppers Building															
Address Line 4: Pittsburgh, PENNSYLVANIA 15219															
ATTORNEY DOCKET NUMBER:	4262-073177														
NAME OF SUBMITTER:	Paul M. Reznick														

OP \$40.00 11903190

PATENT

500444473

REEL: 020394 FRAME: 0922

Total Attachments: 4

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PATENT

REEL: 020394 FRAME: 0923

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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):

Christopher Apanius
Robert A. Shick
Hendra Ng
Andrew Bell
Wei Zhang
Phillip S. Neal

2. Name and address of receiving party(ies)

Name: Promerus LLC

Internal Address: _____

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

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

Execution Date(s) 1/9/08; 1/4/08; 1/3/08; 1/3/08; 1/3/08; 1/2/08

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

Street Address: 9921 Brecksville Road, Building R

City: Brecksville

State: Ohio

Country: U.S. Zip: 44141

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

4. Application or patent number(s):

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

A. Patent Application No.(s)
11/903,190

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Paul M. Reznick

Internal Address: The Webb Law Firm

Street Address: 700 Koppers Building
436 Seventh Avenue

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-471-8815

Fax Number: 412-471-4094

Email Address: webblaw@webblaw.com

6. Total number of applications and patents involved: _____

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)

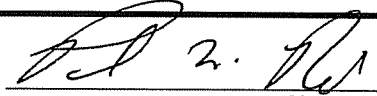
8. Payment Information

a. Credit Card Last 4 Numbers 1059

Expiration Date 08/2010

b. Deposit Account Number _____

Authorized User Name _____

9. Signature: 
Signature

January 22, 2008

Date

Paul M. Reznick
Name of Person Signing

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

4

Application No. 11/903,190

Attorney Docket No. 4262-073177

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

"METHODS AND MATERIALS USEFUL FOR CHIP STACKING, CHIP AND WAFER BONDING"

(Invention Title)

☐ for which a United States Provisional Patent application was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter "said application").

AND/OR

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☒ for which an application for a United States Patent was filed on 09/20/2007 (mm/dd/yyyy) and bears Application Number 11/903,190 (hereinafter "said application").

AND/OR

☐ for which an international patent application was filed under the Patent Cooperation Treaty on _____ (mm/dd/yyyy), bearing Application No. _____ (hereinafter "said application").

AND, WHEREAS, Promerus LLC, a corporation of the State of Delaware, having a place of business at 9921 Brecksville Road, Building R, Brecksville, Ohio 44141, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue,

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Attorney Docket No. 4262-073177

continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

Christopher Apanius

RESIDENCE:

Moreland Hills, Ohio

EXECUTED this 9th day of January, 2008



SIGNATURE

2. FULL NAME OF ASSIGNOR:

Robert A. Shick

RESIDENCE:

Brecksville, Ohio

EXECUTED this 4th day of January, 2008



SIGNATURE

3. FULL NAME OF ASSIGNOR:

Hendra Ng

RESIDENCE:

Highland Heights, Ohio

EXECUTED this 3rd day of January, 2008



SIGNATURE

4. FULL NAME OF ASSIGNOR:

Andrew Bell

RESIDENCE:

Lakewood, Ohio

EXECUTED this 3rd day of January, 2008



SIGNATURE

☒ Checked Box indicates 1 additional page(s) for inventor signatures.

Application No. 11/903,190

Attorney Docket No. 4262-073177

5. FULL NAME OF ASSIGNOR:

Wei Zhang

RESIDENCE:

Brecksville, Ohio

EXECUTED this 3 day of January, 2008

Wei Zhang
SIGNATURE

6. FULL NAME OF ASSIGNOR:

Phillip S. Neal

RESIDENCE:

Wakeman, Ohio

EXECUTED this 2 day of January, 2008

Phillip S. Neal
SIGNATURE