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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

James S. Im

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

2. Name and address of receiving party(ies)

Name: Columbia University in the City of New York

Address: 116th Street and Broadway

City: New York

State: NY

Zip: 10012

Additional name(s) and address(es) attached? Country:

☐ Yes ☐ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:

Execution Date: 08/01/2003

4. Application number(s) or patent number(s) 10/311,485

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

☐ Yes☒ No

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

Name: Gary Abelev

BAKER BOTTS L.L.P.

30 Rockefeller Plaza - 44 Fl.

New York, NY 10112

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number :

02-4377 (Charge any additional fees to this account)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing instrumentation is true and correct and any attached copy is a true copy of the original document.

Gary Abelev

Name of Person Signing

Signature

09/19/2003

Date

Page ____ of ____

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

A S S I G N M E N T

WHEREAS, I,

JAMES S. IM
520 West 114th Street, Apt. 74
New York, NY 10025

Citizenship: United States of America


have made an invention entitled "METHOD AND SYSTEM FOR PROVIDING A SINGLE-SCAN, CONTINUOUS MOTION SEQUENTIAL LATERAL SOLIDIFICATION," as set forth and described in the international application which was filed with the PCT Receiving Authority on April 19, 2001, and assigned serial no. PCT/US01/12799; and

WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, a non-profit corporation, having an office for the transaction of business at 116th Street and Broadway, New York, NY 10112, is desirous of acquiring our entire right, title and interest in and to said invention and any improvements thereon, and in and to the said application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the said JAMES S. IM, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to me in hand paid by said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, and other valuable considerations unto us moving from said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns, the entire right, title and interest in and to the said invention entitled "METHOD AND SYSTEM FOR PROVIDING A SINGLE-SCAN, CONTINUOUS MOTION SEQUENTIAL LATERAL SOLIDIFICATION," as set forth and described in international application which was filed with the PCT Receiving Authority, and other national patent offices, and any and all improvements thereon, and in and to said international application and any applications (whether U.S. or foreign) claiming priority therefrom, and any non-provisional application, division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

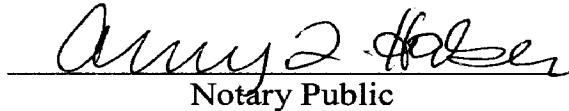
AND I, the said JAMES S. IM, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns;

AND I, the said JAMES S. IM, for the considerations aforesaid, do hereby covenant and agree to and with said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns, that I have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that I, my executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns, may be required or necessary more effectively to secure to and vest in said THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that I will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.


JAMES S. IM

STATE OF NY)
: SS.:
COUNTY OF NY)

BE IT KNOWN, that on this 1st day of August, 2003, before me personally came JAMES S. IM, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.


Notary Public

AMY L. HABER
NOTARY PUBLIC, State of New York
No. 01HA5063658
Qualified in Queens County
Commission Expires July 29, 2006