

Form PTO-1595 (Rev. 03-09)
OMB No. 0651-0027 (exp. 03/31/2009)

U.S. DEPARTMENT OF COMMERCE
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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)

Birger Erik YDSTIE
Sudhir RANJAN
Balaji SUKUMAR
Sridhar SEETHARAMAN

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

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

Execution Date(s) December 7, 2009

- ☒ 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: Carnegie Mellon University

Internal Address: _____

Street Address: 5000 Forbes Avenue

City: Pittsburgh

State: PA

Country: USA Zip: 15213

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)

B. Patent No.(s)

PCT/US09/06114

Additional numbers attached? ☐ Yes ☒ No

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

Name: Darren E. Wolf

Internal Address: _____

Street Address: Thorp Reed & Armstrong, LLP

One Oxford Centre, 301 Grant Street, 14th Floor

City: Pittsburgh

State: PA Zip: 15219-1425

Phone Number: 412-394-2305

Fax Number: 412-394-2555

Email Address: dwolf@thorpreed.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

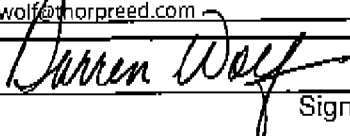
- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 20-0888

Authorized User Name Darren E. Wolf

9. Signature:



Signature

6 January 2010

Date

Darren E. Wolf

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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, VA 22313-1450

PATENT

700426383

REEL: 023742 FRAME: 0585

CH \$40.00 200888 US0906114

PATENT

Attorney's Docket No. DB001358-001

For: ☒ U.S. and/or ☒ Foreign Rights
 For: ☐ U.S. Application
 For: ☐ U.S. Provisional Application
 For: ☐ U.S. Patent
 For: ☒ PCT Application
 By: ☒ Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

Birger Erik YDSTIE

(type or print name of inventors)

Carnegie Mellon University
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 Address Nationality

Sudhir RANJAN

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 Address Nationality

Sridhar SEETHARAMAN

(type or print name of inventors)

229 Gladstone Road
Pittsburgh, PA 15217 US
 Address Nationality

hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University

(type or print name(s) of ASSIGNEE(S))

5000 Forbes Avenue
Pittsburgh, PA 15213
 Address

Pennsylvania Non-Profit Corporation

Nationality

Each Inventor: Initial and date here for acknowledgement of this page

[Handwritten signatures and dates: 12/02/09, 12/02/09, 12/02/09]

Attorney Docket Number: DB001358-001

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest
☐ an undivided _____ percent (_____%) interest
 for the United States and its territorial possession

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority,
 in and to any and all improvements which are disclosed in the invention entitled:

METHODS FOR CASTING BY A FLOAT PROCESS AND ASSOCIATED APPARATUSES

(check and complete (a), (b), (c), (d), (e), (f) and/or (g))

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith
 (b) ☐ U.S. patent application executed on _____
 (c) ☐ U.S. provisional application no. _____ filed on _____
 (d) ☐ U.S. patent application no. _____ filed on _____
 (e) ☒ International application no. PCT/US/09/06114 filed on November 13, 2009
 (f) ☐ U.S. patent no. _____ issued _____
☐ A change of address to which correspondence is to be sent
 regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right
 to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or
 any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue
 or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance
 has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided
 promptly with all pertinent facts and documents relating to said invention and said Letters
 Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify
 as to the same in any interference, litigation or proceeding related thereto and will promptly
 execute and deliver to ASSIGNEE or its legal representatives any and all papers,
 instruments or affidavits required to apply for, obtain, maintain, issue and enforce said
 application, said invention and said Letter Patent and said equivalents thereof which may be
 necessary or desirable to carry out the purposes thereof.

Each Inventor; Initial and date here for acknowledgement of this page

BZM 12/07/09
12/07/2009

SM 12/07/09

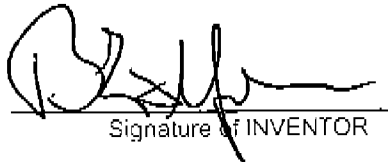
CS 12/07/09

Attorney Docket Number: DB001358-001

IN WITNESS WHEREOF, We have hereunto set hand and seal this

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Birger Erik YDSTIE
(type name of inventor)


Signature of INVENTOR

Dec 7-2009
Date

WITNESS:

ALICE YOCHUM
(type or print name of witness)


Signature of WITNESS

12-07-09
Date

WITNESS:

Laura Shaheen
(type or print name of witness)


Signature of WITNESS

12-7-09
Date

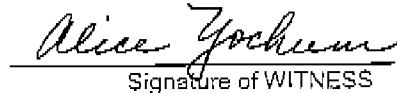
Sudhir RANJAN


Signature of INVENTOR

12/07/2009
Date

WITNESS:

ALICE YOCHUM
(type or print name of witness)


Signature of WITNESS

12-07-09
Date


WITNESS:

Laura Shaheen
(type or print name of witness)


Signature of WITNESS

12-7-09
Date

Balaji SUKUMAR


Signature of INVENTOR

Dec 7, 2009
Date

WITNESS:

ALICE YOCHUM
(type or print name of witness)


Signature of WITNESS

12-07-09
Date


WITNESS:

Laura Shaheen
(type or print name of witness)


Signature of WITNESS

12-7-09
Date

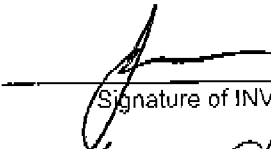
Each Inventor: Initial and date here for acknowledgement of this page

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ss 12/07/09

ss 12/07/09


Attorney Docket Number: DB001358-001

Sridhar SEETHARAMAN
Signature of INVENTOR12/7/09
Date

WITNESS:

Laura Shaheen

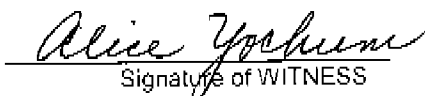
(type or print name of witness)


Signature of WITNESS12-7-09
Date

WITNESS:

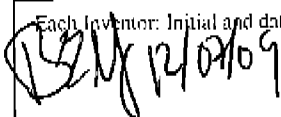
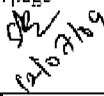
ALICE YOCHUM

(type or print name of witness)


Signature of WITNESS12-07-09
Date☐ Notarization or Legalization Page Added.

Note: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

Each Inventor: Initial and date here for acknowledgement of this page


12/07/09
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