

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## 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)

Metin SITI  
Michael MURPHY  
Burak AKSAK

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

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

Execution Date(s) 4/16/08, 4/15/08 & 4/15/08

- ☒ 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: Attn: Office of Technology Transfer

Street Address: 5000 Forbes Avenue

City: Pittsburgh

State: Pennsylvania

Country: United States of America Zip: 15213

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

### 4. Application or patent number(s):

A. Patent Application No.(s)  
60/874,850  
PCT/US07/25683

☐ 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: Darren E. Wolf

Internal Address: Dickie, McCarney & Chilcote, P.C.

Street Address: Two PPG Place, Suite 400

City: Pittsburgh

State: Pennsylvania Zip: 15222-5402

Phone Number: 412-392-5681

Fax Number: 412-392-5850

Email Address: dwolf@dmclaw.com

### 6. Total number of applications and patents involved: Two (2)

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 80

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

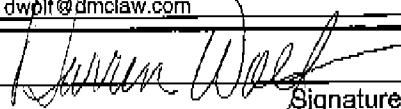
### 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 50-3198

Authorized User Name Darren E. Wolf

### 9. Signature:

  
Signature

April 30, 2008

Date

Darren E. Wolf

Name of Person Signing

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

6

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CH \$80.00 503198 60874850

DOCKET NO. CMU07-050PCT  
PATENT**ASSIGNMENT OF INVENTION**

For: ☒ U.S. and/or ☒ Foreign Rights  
 For: ☐ U.S. Application or ☒ U.S. Provisional Application  
 For: ☐ U.S. Patent  
 For: ☒ PCT Application  
 By: ☒ Inventor(s) or ☐ Present Owner

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

**ASSIGNOR(S)**

Metin Sitti	Carnegie Mellon University Scaife Hall - 324 5000 Forbes Avenue Pittsburgh, PA 15213	Turkey
Name of Assignor	Address	Nationality
Michael Murphy	Carnegie Mellon University Scaife Hall - 422 5000 Forbes Avenue Pittsburgh, PA 15213	United States of America
Name of Assignor	Address	Nationality
Burak Aksak	Carnegie Mellon University Scaife Hall - 422 5000 Forbes Avenue Pittsburgh, PA 15213	Turkey
Name of Assignor	Address	Nationality

hereby sells, assigns and transfers to

**ASSIGNEE(S):**

Carnegie Mellon University	5000 Forbes Avenue Pittsburgh, PA 15213 United States of America	Pennsylvania Non-Profit Corporation
(Name of ASSIGNEE)	Address	Nationality

and the successors, assigns and legal representatives of the ASSIGNEE(S)

- ☒ the entire right, title and interest for the United States and its territorial possessions  
☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions  
☒ and in all foreign countries;

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

MPM 04/15/2008 BA 04/15/2008 MS 04/16/2008

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PATENT

including all rights to claim priority, all rights to file patent applications, all rights to sue for past infringement, collect damages, and enforce or otherwise benefit from applications or patents that issue therefrom including, but not limited to, any and all claims which may have arisen for infringement prior or subsequent to the date of this assignment, and any and all other intellectual property rights, in and to any and all inventions, improvements, and other intellectual property which is/are found in:

- (a) ☒ U.S. provisional application no.: 60/874,850 filed on December 14, 2006.
- (b) ☐ U.S. application no.: \_\_\_\_\_ filed on \_\_\_\_\_.
- (c) ☒ PCT application no.: PCT/US07/25683 filed on December 14, 2007.
- (d) ☐ the application(s) and invention disclosure(s) identified in the Attachments hereto.
- (e) ☐ U.S. patent application executed on \_\_\_\_\_.
- (f) ☐ U.S. patent application executed on even date herewith.
- (g) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_.
- ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
- (h) ☐ Other: \_\_\_\_\_.
- (i) ☒ and any legal equivalent thereof in any country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by a new application or by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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

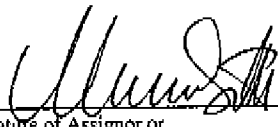
ASSIGNOR(S) further covenants that ASSIGNEE(S) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE(S) 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 Letters 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

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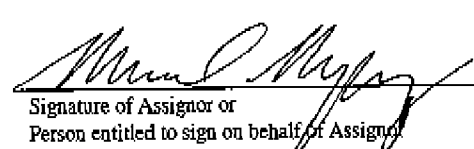
IN WITNESS WHEREOF, ASSIGNOR(S) have hereunto set hand and seal this:

Metin SittiName of Assignor or  
Name & Title of Person entitled to sign on behalf  
of Assignor  
Signature of Assignor or  
Person entitled to sign on behalf of Assignor04/16/2008  
Date

Place of signing of assignment

City/County : Pittsburgh/Allegheny County  
State : Pennsylvania  
Country : United States of America

Before me this \_\_\_\_ day of \_\_\_\_\_, 2008 personally appeared Metin Sitti to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of AmericaMichael MurphyName of Assignor or  
Name & Title of Person entitled to sign on behalf  
of Assignor  
Signature of Assignor or  
Person entitled to sign on behalf of Assignor04/15/2008  
Date

Place of signing of assignment

City/County : Pittsburgh/Allegheny County  
State : Pennsylvania  
Country : United States of America

Before me this \_\_\_\_ day of \_\_\_\_\_, 2008 personally appeared Michael Murphy to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of America

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

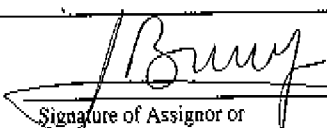
MPM 04/15/2008

BA 04/15/2008

MS 04/16/2008

DOCKET NO. CMU07-050PCT  
PATENTBurak Aksak

Name of Assignor or

Name & Title of Person entitled to sign on behalf  
of Assignor  
Signature of Assignor or

Person entitled to sign on behalf of Assignor

04/15/2008

Date

Place of signing of assignment

City/County : Pittsburgh/Allegheny County

State : Pennsylvania

Country : United States of America

Before me this \_\_\_\_ day of \_\_\_\_\_, 2008 personally appeared **Burak Aksak** to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

\_\_\_\_\_  
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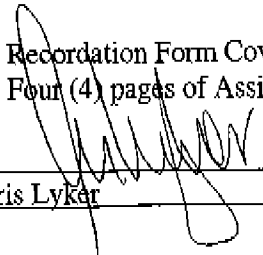
**FACSIMILE****Dickie McCamey***Integrity. Experience. Solutions.***PLEASE HAND DELIVER, AS SOON AS POSSIBLE, THE FOLLOWING FACSIMILE TRANSMISSION TO:**

NAME:	Assignment Fax Number	DATE:	April 30, 2008
COMPANY:	U.S. Patent and Trademark Office	PHONE NO.:	412 392-5650
FAX NO.:	571-273-0140	RE:	Assignment Recordation
FILE NO.:	0307418	FROM:	Darren E. Wolf
CLIENT NO.:	0052045	TOTAL NUMBER OF PAGES (including cover sheet):	7

**MESSAGE: Assignment Recordation****Provisional Patent Number: 60/874,850****PCT Application Number: PCT/US07/25683****CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that the following papers and their attachments are being transmitted by facsimile to the United States Patent and Trademark Office at the fax number and on the date indicated above.

1. Recordation Form Coversheet (2 copies);
2. Four (4) pages of Assignment document.

Signature:   
 Name: Cris Lyker

**IF YOU HAVE ANY PROBLEMS RECEIVING THIS TRANSMISSION,****PLEASE CONTACT: Darren E. Wolf PHONE NO.: 412-392-5681 FAX NO.: 412-392-5650**

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☒ Authorized to be charged to deposit account  
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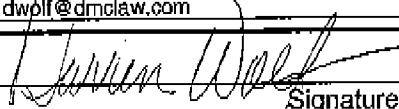
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b. Deposit Account Number 50-3198

Authorized User Name Darren E. Wolf

### 9. Signature:

  
Signature

April 30, 2008

Date

Darren E. Wolf

Name of Person Signing

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