

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)Sarah S. Bedalr
Gary K. FedderAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) September 7, 2007

- ☒ 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 UniversityInternal Address: Center for Technology TransferStreet Address: 5000 Forbes AvenueCity: PittsburghState: PennsylvaniaCountry: United States of America Zip: 15213Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

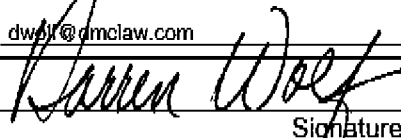
A. Patent Application No.(s)

11/810,209

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Darren E. WolfInternal Address: Dickie, McCarney & Chilcote, P.C.Street Address: Two PPG Place, Suite 400City: PittsburghState: Pennsylvania Zip: 15222-5402Phone Number: 412-392-5681Fax Number: 412-392-5690Email Address: dwolf@dmclaw.com**6. Total number of applications and patents involved:** One (1)**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40

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

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 50-3198Authorized User Name Darren E. Wolf**9. Signature:**

Signature

September 19, 2007

Date

Darren E. Wolf

Name of Person Signing

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

5

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CH \$40.00 603198 11810209

DOCKET NO. CMU05-096
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)

Sarah S. Bedair	Carnegie Mellon University Department of Electrical & Computer Engineering 5000 Forbes Avenue Pittsburgh, PA 15213-3890	United States of America
Name of Assignor	Address	Nationality
Gary K. Fedder	Carnegie Mellon University ICES 5000 Forbes Avenue Pittsburgh, PA 15213-3890	United States of America
Name of Assignor	Address	Nationality

hereby sells, assigns and transfers to

ASSIGNEE(S):

Carnegie Mellon University	Attn: Center for Technology Transfer 4615 Forbes Avenue, Suite 302 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;

including all rights to claim priority, all rights to file patent applications, and all other intellectual property rights, in and to any and all improvements, inventions, and other intellectual property which is/are found in:

- (a) ☒ U.S. provisional application no.: 60/810,995 filed on June 5, 2006.
- (b) ☒ U.S. application no.: 11/810,209 filed on June 5, 2007.
- (c) ☐ PCT application no.: _____ filed on _____.
- (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.

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

SSB 9/7/07

[Signature] 9/7/07

DOCKET NO. CMU05-096
PATENT(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.

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

Sarah S. Bedair

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

9/7/07

Date

Place of signing of assignment

City/County : Pittsburgh/Allegheny County

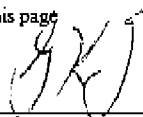
State : Pennsylvania

Country : United States of America

Before me this ____ day of _____, 2007 personally appeared Sarah S. Bedair 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

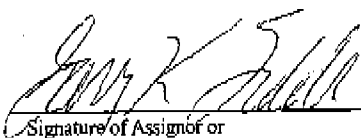
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DOCKET NO. CMU05-096
PATENT

Gary K. Fedder

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

9/7/07
Date

Place of signing of assignment

City/County : Pittsburgh/Allegheny County

State : Pennsylvania

Country : United States of America

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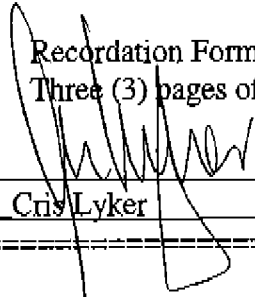
NAME: Assignment Fax Number DATE: September 19, 2007
COMPANY: U.S. Patent and Trademark Office PHONE NO.:
FAX NO.: 571-273-0140 RE: U.S. Patent Application Number 11/810,209
FILE NO.: FROM: Darren E. Wolf
CLIENT NO.: TOTAL NUMBER OF PAGES (including cover sheet): 6

MESSAGE: **U.S. Patent Application Number 11/810,209
Assignment Recordation**

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; (x2) and
2. Three (3) pages of Assignment documents.

Signature: 
Name: Cris Lyker

IF YOU HAVE ANY PROBLEMS RECEIVING THIS TRANSMISSION,

PLEASE CONTACT: Cris Lyker PHONE NO.: 412-392-5882 FAX NO.: 412-392-5650

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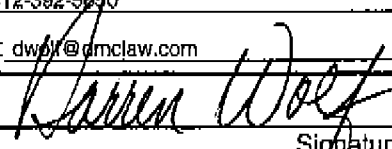
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