

A/A 5011

10/551837

05-09-2006

Atty Dkt No.: TUFTS-002AUS

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OMB No. 0651-0027 (exp. 6/30/2005)  
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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office  
CT/PTO 03 OCT 2005

103233213

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

1. Name of conveying party(ies):  
  
Soha M. N. Hassoun  
Brian G. Swahn

2. Name and address of receiving party(ies)  
Name: Tufts University  
Internal Address: \_\_\_\_\_

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

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: Ballou Hall  
City: Medford State: MA Zip: 02155

Execution Date: 9-30-05; 9-30-05

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

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

If this document is being filed together with a new application, the execution date of the application is: 9-30-05

A. Patent Application No.(s)  
10/17/2005 ATRAN1 00000042 500845 10551837

B. Patent No.(s) 10551837

Additional numbers attached? ☐ Yes ☒ No

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

Name: Daly, Crowley, Mofford & Durkee, LLP  
Internal Address: \_\_\_\_\_

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed  
☒ Authorized to be charged to deposit account

Street Address: 354A Turnpike Street, Suite 301A

8. Deposit account number:

500845

City: Canton State: MA Zip: 02021-2714

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

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9. Statement and signature.

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

Paul D. Durkee 41,003  
Name of Person Signing

Paul D. Durkee 30 Oct 05  
Signature Date

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

Mail documents to be recorded with required cover sheet information to:  
MS Assignment Recordation Services, Director of the U.S. Patent and Trademark Office,  
P. O. Box 1450, Alexandria, VA 22313-1450

PATENT  
REEL: 017860 FRAME: 0319

## A S S I G N M E N T

Whereas we, the undersigned, Soha M.N. Hassoun and Brian G. Swahn, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled CIRCUIT HAVING HARDWARE THREADING, identified as Attorney Docket No. TUFTS-002PUS and Client Case No. T001217 which application was executed on 9-30-05, 9:30:15 and filed on herewith and Assigned Application No. \_\_\_\_\_. In the event that the execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the filing date and/or Application No. of said application.

Whereas Tufts University, a Massachusetts Corporation having a place of business at Ballou Hall, Medford, MA 02155, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have each executed this Assignment on the date indicated next to each of our respective names.

Sept 30 2005  
Date

[Signature]  
Soha M.N. Hassoun

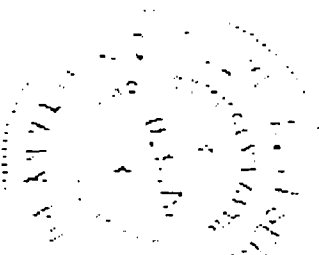
Commonwealth of Massachusetts }  
County of Middlesex } SS.

On this the 30<sup>th</sup> day of September, 2005, before me, Carolyn A. Resendes  
Day Month Name of Notary

the undersigned Notary Public, personally appeared Soha Hassoun,  
Name of Inventor

proved to me through satisfactory evidence of identity, which was/were Texas  
drivers license  
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.



Place Notary Seal and/or Any Stamp Above

Carolyn A. Resendes  
Signature of Notary Public

CAROLYN A. RESENDES  
Printed Name of Notary Public

My Commission Expires 10/4/09

Sept. 30 2005  
Date

Brian G. Swahn  
Brian G. Swahn

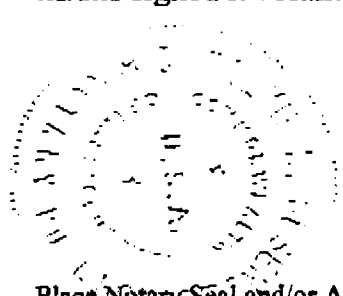
Commonwealth of Massachusetts }  
County of Middlesex } SS.

On this the 30<sup>th</sup> day of September, 2005, before me, Carolyn A. Resendes,  
Day Month Name of Notary

the undersigned Notary Public, personally appeared Brian Swahn,  
Name of Inventor

proved to me through satisfactory evidence of identity, which was/were Pennsylvania  
drivers license  
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that  
he/she signed it voluntarily for this stated purpose.



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Carolyn A. Resendes  
Signature of Notary Public

CAROLYN A. RESENDES  
Printed Name of Notary Public

My Commission Expires 10/4/09

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