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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)

Mohammed OUALI, Jason ABT, Edward KEYES, and
Vyacheslav ZAVADSKY

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

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

Execution Date(s) 08/29/05, 09/09/05; 09/09/05; and 09/09/05

- ☒ 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: Semiconductor Insights Inc.

Internal Address: _____

Street Address: 3000 Solandt Road

City: Ottawa

State: Ontario

Country: Canada Zip: K2K 2X2

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)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o

Street Address: 1100 New York Avenue, N.W.

City: Washington

State: D.C. Zip: 20005-3934

Phone Number: _____

Fax Number: _____

Email Address: _____

6. Total number of applications and patents involved: _____

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☒ 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 1005
Expiration Date 08/2009

b. Deposit Account Number 19-0036

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Authorized User Name _____
04 FC:8021

40.00

9. Signature:

Jeffrey T. Helvey
Signature

10/24/07
Date

Jeffrey T. Helvey (Reg. #44,757)
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, V.A. 22313-1450

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, That Whereas

Mohammed OUALI whose full post office address is **1 Stafford Road East, Suite 309, Ottawa, Ontario, K2H 1B9, Canada,**

Jason ABT whose full post office address is **199 Old Colony Road, Kanata, Ontario, K2L 1M6, Canada,**

Edward KEYES whose full post office address is **28 Ossington Avenue, Ottawa, Ontario, K1S 3B4, Canada, and**

Vyacheslav ZAVADSKY whose full post office address is **33-3205 Uplands, Ottawa, Ontario, K1V 9T3, Canada,**

have made an invention entitled **Method And Apparatus For Removing Dummy Features From A Data Structure**, described in an application for Letters Patent of the United States of America executed concurrently herewith; and

WHEREAS **Semiconductor Insights Inc.**, having a place of business at **3000 Solandt Road, Ottawa, Ontario, K2K 2X2, CANADA**, hereinafter called ASSIGNEE, is desirous of acquiring the said application for Letters Patent of the United States, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to me paid by ASSIGNEE, the receipt whereof is hereby acknowledged, I do hereby sell, assign, transfer and set over unto ASSIGNEE, its successors and assigns, the entire right, title and interest in, to and under the said application for United States Letters Patent, including all priority rights arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD AND ENJOY the said inventions, the said application, and the said Letters Patent to said ASSIGNEE, its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

And I do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any divisional, reissue or continuation applications, or for the said inventions or any of them, to said

ASSIGNEE, its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And I do hereby, for me and for my legal representatives, covenant and agree with ASSIGNEE, its successors and assigns, that I have granted to others no license to make, use or sell any of the said inventions, that my right, title and interest in the said inventions has not been encumbered, that I have good right and title to sell and assign the same, and that I will not execute any instrument in conflict herewith.

And I do hereby, for myself and for my legal representatives, further covenant and agree with ASSIGNEE, its successors and assigns, that upon request I will, and they shall, execute divisional, reissue or continuation applications, amended specifications, or rightful oaths; communicate to ASSIGNEE, its successors and assigns, any facts known to me relating to the said inventions or the history thereof; execute preliminary statements and testify in any interference proceedings; execute and deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or convenient to secure the grant of Letters Patent to ASSIGNEE, its successors and assigns, or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE, and to vest and confirm in ASSIGNEE, its successors and assigns, or its nominees, the full and complete and equitable title to all such Letters Patent, without further consideration than now paid but at the expense of ASSIGNEE, its successors or assigns.

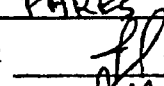
The undersigned hereby authorizes the firm of **Sterne, Kessler, Goldstein & Fox** to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this assignment suitable for recordal in the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this
29th day of August, 2005.

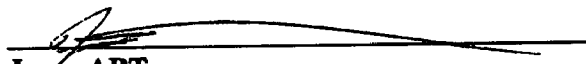

Mohammed OUALI

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

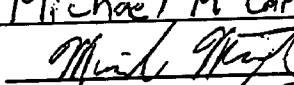
Name of Witness: FARES ABDELKRIM.
Signature of Witness: 
Address of Witness: 11, Allée de l'ARLEQUIN - APT 232
92000 - NANTERRE FRANCE.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this
9TH day of September, 2005.


Jason ABT

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Name of Witness: Michael M Cartney
Signature of Witness: 
Address of Witness: 39 Yoney Dr., Ottawa, Ont., Canada
K2J 5G7

IN WITNESS WHEREOF, I have hereunto set my hand and seal this
9th day of September, 2005.

E. Keyes
Edward KEYES

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Name of Witness: Michael McCartney
Signature of Witness: [Signature]
Address of Witness: 39 Upney Dr. Ottawa, Ontario, Canada
K2J 5G7

IN WITNESS WHEREOF, I have hereunto set my hand and seal this
9th day of September, 2005.

V. Zavadsky
Vyacheslav ZAVADSKY

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Name of Witness: Michael McCartney
Signature of Witness: [Signature]
Address of Witness: 39 Upney Dr. Ottawa, Ont. Canada
K2J 5G7