

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MENG-FAN CHANG	03/13/2014
JUI-JEN WU	03/13/2014
YEN-CHEN LIU	03/13/2014
RECEIVING PARTY DATA	
Name:	NATIONAL TSING HUA UNIVERSITY
Street Address:	NO. 101, SEC. 2, GUANGFU RD., EAST DIST.
City:	HSINCHU CITY
State/Country:	TAIWAN
Postal Code:	30013
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14226206
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	102P001184US
NAME OF SUBMITTER:	ZHUO XU
SIGNATURE:	/ZHUO XU/
DATE SIGNED:	03/26/2014
Total Attachments: 4	
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source=31184Assignment#page2.tif	
source=31184Assignment#page3.tif	
source=31184Assignment#page4.tif	
PATENT	

ASSIGNMENT DEED

Attorney docket No. 102P001184US

This Assignment agreement is applicable to an invention entitled (invention Title):

SENSING MARGING EXPANDING SCHEME FOR MEMORY

The PATENT RIGHTS referred to in this agreement are:

(Check one)

- a Patent Application for this invention, executed by the ASSIGNOR(S) concurrently with this Assignment
- U.S. Patent Application Serial No. _____, filed _____
- U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

(Check One)

- U.S. Patent rights only
- worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

I/WE believe that I/WE am/are the original inventor(s) of a claimed invention in the application.

The above-identified Application was made or authorized by me/us.

I/WE hereby acknowledge that any will false statements made in this Assignment is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of sole or first assignor) MENG-FAN CHANG (FAMILY NAME: CHANG)

(Address) 7F., NO.51, RENHE 2ND ST., SOUTH DIST., TAICHUNG CITY 402, TAIWAN, R.O.C.

(Full name of second joint assignor, if any) JUI-JEN WU (FAMILY NAME: WU)

(Address) NO.1, L.N. 45, JIAQIN N. RD., ZHUBEI CITY, HSINCHU COUNTY 302, TAIWAN, R.O.C.

(Full name of third joint assignor, if any) YEN-CHEN LIU (FAMILY NAME: LIU)

(Address) NO. 101, SEC. 2, GUANGFU RD., EAST DIST., HSINCHU CITY 30013, TAIWAN, R.O.C.

(Full name of fourth joint assignor, if any) _____

(Address) _____

- Additional assignors are being named on separately numbered sheets attached hereto.

The sole or first ASSIGNEE(S) referred to in this agreement is (or are):

(Name of Assignee) NATIONAL TSING HUA UNIVERSITY

(Address of Assignee) NO. 101, SEC. 2, GUANGFU RD., EAST DIST., HSINCHU CITY 30013, TAIWAN, R.O.C.

The sole or first ASSIGNEE is: (Check One)

- an individual
 a partnership
 a Corporation of TAIWAN, R.O.C. (State or Country)

The second ASSIGNEE(S) (if any) referred to in this agreement is (or are):

(Name of Assignee) _____
(Address of Assignee) _____

The second ASSIGNEE is: (Check One)

- an individual
 a partnership
 a Corporation of _____ (State or Country)

The third ASSIGNEE(S) (if any) referred to in this agreement is (or are):

(Name of Assignee) _____
(Address of Assignee) _____

Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

I hereby give our Attorney authorization to insert the Serial Number and filing date of the above-referenced Patent Application when known.

Meng-fan Chang
(Signature of sole or first assignor)

MENG-FAN CHANG (FAMILY NAME: CHANG)

MAR. 13, 2014

(Date)

JU-JEN WU (FAMILY NAME: WU)

(Signature of second assignor, if any)

(Date)

Yen-Chen Liu
(Signature of third assignor, if any)

YEN-CHEN LIU (FAMILY NAME: LIU)

MAR. 13, 2014

(Date)

(Signature of fourth assignor, if any)

(Date)

(Signature of fifth assignor, if any)

(Date)

(Signature of sixth assignor, if any)

(Date)

I hereby give our Attorney authorization to insert the Serial Number and filing date of the above-referenced Patent Application when known.

MENG-FAN CHANG (FAMILY NAME: CHANG)

(Signature of sole or first assignor)

(Date)

Jui-Jen Wu

JUI-JEN WU (FAMILY NAME: WU)

3/13/2014

(Signature of second assignor, if any)

(Date)

YEN-CHEN LIU (FAMILY NAME: LIU)

(Signature of third assignor, if any)

(Date)

(Signature of fourth assignor, if any)

(Date)

(Signature of fifth assignor, if any)

(Date)

(Signature of sixth assignor, if any)

(Date)