PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Wen-Rong WU	02/24/2009
Tzu-Han HSU	02/22/2009
Jen-Yuan HSU	02/18/2009
Pang-An TING	02/18/2009

RECEIVING PARTY DATA

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City:	Hsinchu
State/Country:	TAIWAN
Postal Code:	31040

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12339000

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ATTORNEY DOCKET NUMBER:	06720.0239
NAME OF SUBMITTER:	Richard V. Burgujian

Total Attachments: 2

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RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 06720.0239

Attorney Docket No. 06720.0239								
To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.					Mail Stop Assignment Recordation Services			
Name of conveying parties: Wen-Rong WU Jen-Yuan HSU Tzu-Han HSU Pang-An TING			Name and address of receiving party: Name: INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE					
Additio	onal name(s) of conveying	party(ies) att	ached? ☐ Yes ⊠ No	Internal Address				
3. Nature of conveyance:			Street Address	No. 195, Sec. 4, Chung Hsing Rd.,				
☒	Assignment	☐ M€	erger	City:				
	Security Agreement	☐ Ch	ange of Name	State:			Zip Code:	
	Joint Research Agreement		vernment Interest signment	Additional name(s) & Address(es) attached?			ned?	
	Executive Order 9494, Confirmatory License	Oti	her:	☐ Yes				
Execut	tion Date: Wen-Rong Tzu-Han H Jen-Yuan I Pang-An T	ISU ISU	February 24, 2009 February 22, 2009 February 18, 2009 February 18, 2009					
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:								
A. Patent Application Number(s):			B. Patent Number(s):					
	12/339,000							
Additional numbers attached?				│ ☐ Yes				
 Name and address of party to whom correspondence concerning document should be mailed: 			6. Total number of applications and patents involved:					
Name:	Richard V. Burgujian		(202) 408-4000	7.	То	tal fee (37 CFR	1.21(h) and 3	3.41): \$40
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.							eficiency or credit count 06-0916)	
Street Address: 901 New York Avenue, N.W.					Authorized to	be charged t	o deposit account	
City:	Washington, D.	C.						
State:	Z	lip:	20001-4413	8.	De	posit Account N	lo.: <u>06-0916</u>	
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.								
Signed: February 26, 2009					, 2009			
Richard V.Burgujian, Reg. No. 31,744 Date Total number of pages including cover sheet, attachments and documents: 2								

6/2007

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

APPARATUS AND METHOD FOR CHANNEL STATE INFORMATION FEEDBACK

for which We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on December 18, 2008 (Application No. 12/339,000); and

WHEREAS, Industrial Technology Research Institute, a corporation of R.O.C. whose post office address is No. 195, Sec. 4, Chung Hsing Road, Chutung, Hsinchu, 31040 Taiwan R.O.C., (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer. and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 61/079,980, filed July 11, 2008, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional applications, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding. sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hered	unto set our hands.	
Wen-Rong WU	My-Rose Win	2009,2.24
FULL NAME OF FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
Tzu-Han HSU	Tzu-Han Ksy	2009.2.22
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE	DATE 2009,2,18
Jen-Yuan HŞU	Jen-Yuan Hsu	2008, 2.18
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE	DATE
Pang-An TING	Paug-Au Ting	209/07/8
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE	DATE

Page 1 of 1

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