PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIA-LUNG TSAI	12/15/2009
YU-TAO HSIEH	12/16/2009
PANG-AN TING	12/15/2009
JEN-YUAN HSU	12/15/2009

RECEIVING PARTY DATA

Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	
Street Address:	No. 195, Sec. 4, Chung Hsing Rd., Chutung	
City:	Hsinchu	
State/Country:	TAIWAN	
Postal Code:	31040	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12649028

CORRESPONDENCE DATA

Fax Number: (202)408-4400

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-408-4000

Email: teresa.love@finnegan.com

Correspondent Name: FINNEGAN, HENDERSON, FARABOW, GARRETT &

Address Line 1: 901 NEW YORK AVENUE, NW

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001-4413

ATTORNEY DOCKET NUMBER: 06720.0300-00000

NAME OF SUBMITTER: Richard 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. 06720.0300			
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			
1. Name of conveying party(ies): TSAI, Chia-Lung HSIEH, Yu-Tao TING, Pang-An HSU, Jen-Yuan	Name and address of receiving party: Name: INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE				
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Internal Address:				
3. Nature of conveyance:	Street Address:	Street No. 195, Sec. 4, Chung Hsing Rd.,			
	City:				
☐ Security Agreement ☐ Change of Name	State:	Zip Code:			
☐ Joint Research ☐ Government Interest Assignment	Additional name(s) & Address(es) attached?				
Executive Order 9494, Other: Confirmatory License		☐ Yes			
Execution Date: 1 st , 3 rd , and 4 th inventors: December 15, 2009 2 nd inventor: December 16, 2009					
 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date the application: December 15 and 16, 2009 A. Patent Application Number(s): 					
A. Tutont / ppiloditor/ (tallibo)(b).		、 ,			
Additional numbers attached?	│ ☐ Yes	⊠ No			
 Name and address of party to whom correspondence concerning document should be mailed: 	6. T	Total number of applications and patents involved:			
Name: Richard V. Burgujian (202) 408-4000	7. T	Total fee (37 CFR 1.21(h) and 3.41): \$40			
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.		Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916)			
Street Address: 901 New York Avenue, N.W.		Authorized to be charged to deposit account			
City: Washington, D.C.					
State: Zip: 20001-4413	8. C	Deposit Account No.: 06-0916			
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:		December 29, 2009			
Richard V. Eurgujian, Reg. No. 31,744 Total number of pages including cover sheet, attachments and documents: 2					

6/2007

ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

APPARATUSES AND METHODS FOR WIRELESS COMMUNICATIONS USING A PERMUTATION SEQUENCE

for which I/We executed an application for United States Letters Patent concurrently herewith; and

WHEREAS, Industrial Technology Research Institute, a corporation of R.O.C. whose post office address is No. 195, Sec. 4, Chung Hsing road, Chufung, 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 desirous of securing the entire right, title, and interest in and to 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, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, hereby acknowledged, I/We, as Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to transfer, and set over unto the Assignee, its application, and all divisions, and this invention, provisional Application No. [Text], filed [Date] (if any), and this application, and all reissues thereof, and all reissues of the United States which may be granted on this invention in any hereafter be filed for this invention in any foreign country, and all extensions, foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, and reissues thereof; and I/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 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, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/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 divisional, continuation, and assigns, to obtain and enforce proper patent protection for this invention in the United States Assignee, its successors and assigns, to obtain any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No._____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

IN TESTIMONY WHEREOF, WYO HAVE	Chia-Lung TSAI	2009.12.15
Chia-Lung TSAI	INVENTOR'S SIGNATURE	DATE
FULL NAME OF FIRST INVENTOR	Yu-Tao Usieh	7009, 12.16
Yu-Tao HSIEH FULL NAME OF FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
FULL NAME OF FIRST INVENTOR	Pana-An Ting	2009, 12,15
Pang-An TING FULL NAME OF FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
FULL NAME OF FIRST INVENTOR	Jen-Yuan Hsu	2009,12.15
<u>Jen-Yuan HSU</u> FULL NAME OF FIRST INVENTOR	INVENTOR'S SIGNATURE	DATÉ

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RECORDED: 12/29/2009

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