504708712 12/29/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIA-MING CHEN	12/22/2017
JIUN-YOU LAI	12/22/2017
MING-CHE LIN	12/22/2017
JEN-YUAN HSU	12/22/2017

RECEIVING PARTY DATA

Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE		
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City:	CHUTUNG, HSINCHU		
State/Country:	TAIWAN		
Postal Code:	31040		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15857052

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 4448/0545PUS1 NAME OF SUBMITTER: JOE MCKINNEY MUNCY **SIGNATURE:** /Joe McKinney Muncy/ 12/29/2017 **DATE SIGNED:**

Total Attachments: 2

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> **PATENT** REEL: 044507 FRAME: 0417

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 1 of 2

WHEREAS	Jia-Ming CHEN, Jiun-You LAI, Ming-Che LIN and Jen-Yuan HSU			
hereinafter referr	rred to collectively as the assignor, has invented a certain improvement relating to			
MULTI-ANTENNA SYSTEM AND PRECODING METHOD THEREOF				
• •	tor's declaration for said application being executed concurrently with the execution of this instrument; so the filed in the United States Patent and Trademark Office;	said		
authorization bei	eation having been filed in the United States Patent and Trademark Office on, being hereby given to my attorneys, Joe McKinney Muncy (Reg. No.) of Muncy, Geissler, Olds of the there in parentheses (Application Serial No) the application serial number of said application when			
	cation having been filed under the Patent Cooperation Treaty on,, the United States of America being designated.			

AND WHEREAS INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE of No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu 31040, Taiwan, R.O.C., hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

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ASSIGNOR:		ASSIGNOR:	
Signature:	Jin Miny Chen	Signature:	Jour You Lai
Printed Name:	Jia-Ming CHEN	Printed Name:	Jiun-You LAI
Date:	2019.12.22	Date:	2017.12.22
ASSIGNOR:		ASSIGNOR:	
Signature:	Ming-Che LIN	Signature:	Jen-Yuan Hsu
Printed Name:	Ming-Che LIN	Printed Name:	Jen-Yuan HSU
Date:	2017, 12,22	Date:	2017.12.22

Muncy, Geissler, Olds & Lowe, PLLC. (MG-IP) 工研院編號 P52060092US || 三達編號 US13065PA

RECORDED: 12/29/2017

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