## 504933251 05/28/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4979997

		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
JIA NI			03/06/2018
YUXIAN ZHANG			03/06/2018
MAN WAI KWAN			03/06/2018
KONG CHAU TSANG			03/06/2018
RECEIVING PARTY DA	ТА		
Name:	HONG KONG APPLIED SCIENCE AND TECHNOLOGY RESEARCH INSTITUTE CO. LTD.		
Street Address:	3/F, BLDG.6, 2 SCIENCE PARK WEST AVENUE HONG KONG SCIENCE PARK		
City:	SHATIN, NT		
State/Country:	HONG KONG		
Property Type		Number	
Application Number:		15904325	
	ΑΤΑ		
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Fax Number: <i>Correspondence will be using a fax number, if µ</i> Phone:	provided 2	; if that is unsuccessful, it will be sent 2102160073	
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Fax Number: <i>Correspondence will be using a fax number, if µ</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	provided 1 - 2	<b>; if that is unsuccessful, it will be sent</b> 2102160073 tsisson2@satx.rr.com THOMAS E. SISSON 202 E. HOUSTON STREET, SUITE 502	
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	provided 1 - 2	<i>; if that is unsuccessful, it will be sent</i> 2102160073 tsisson2@satx.rr.com THOMAS E. SISSON 202 E. HOUSTON STREET, SUITE 502 SAN ANTONIO, TEXAS 78205	
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Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUME AME OF SUBMITTER: BIGNATURE:	provided 1 - 2	<i>; if that is unsuccessful, it will be sent</i> 2102160073 tsisson2@satx.rr.com THOMAS E. SISSON 202 E. HOUSTON STREET, SUITE 502 SAN ANTONIO, TEXAS 78205 HKA108 THOMAS E. SISSON /Thomas E. Sisson/	

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## ASSIGNMENT

WHEREAS, We, Jia Ni, Flat A, 9/F, Block 36, City One, Shatin NT, Hong Kong, a Chinese citizen of People's Republic of China; Yuxian Zhang, Flat H, 22/F, Block 8, Flora Plaza, 88 Pak Wo Road, Fanling, NT, Hong Kong, a Chinese citizen of the People's Republic of China; Man Wai Kwan, Flat B, 18/F, Block 2, Chevalier Garden, Ma On Shan, Shatin, Hong Kong, a Hong Kong Chinese citizen; Kong Chau Tsang, Flat B, 4/F, Chiap Thong Building, 321 Tokwawan Road, Kowloon, Hong Kong, a Hong Kong Chinese citizen (Assignors) are the inventors of the invention entitled Method and Apparatus for Determining Channel State Information (CSI) in A Multiple Input/Multiple Output (MIMO) Wireless Communication System, for which we have filed a US non-provisional patent application on 2018-02-24,assigned Serial No. 15/904,325;

WHEREAS, Hong Kong Applied Science And Technology Research Institute Co. Ltd, 3/F Bullding 6, 2 Science Park West Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong, a Hong Kong company (Assignee) is desirous of obtaining the entire right, title and interest in, to and under the same invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the said ASSIGNORS in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, reissues, reexaminations, substitutions, continuations, continuations-in-part, and extensions thereof, and all Patents of the United States which may be granted thereon and all reissues thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and design which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof:

AND WE HEREBY authorize and request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

PATENT REEL: 045909 FRAME: 0141 AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal this date.

Jia NI, Flat A, 9/F, Block 36, City One, Shatin NT, Hong Kong, a Chinese citizen of People's Republic of China

Date: Mar 6, 2018

Qíş.

Yuxian Zhang, Flat H, 22/F, Block 8, Flora Plaza, 88 Pak Wo Road, Fanling, NT, Hong Kong, a Chinese citizen of the People's Republic of China

Nar 6, 2018 \_\_\_\_ Date:

Man Wai Kwan, Flat B, 18/F, Block 2, Chevalier Garden, Ma On Shan, Shatin, Hong Kong, a Hong Kong Chinese citizen

Date: 6 MAR 2018 Carrier and a start of the star

Kong Chau Tsang, Flat B, 4/F, Chiap Thong Building, 321 Tokwawan Road, Kowloon, Hong Kong, a Hong Kong Chinese citizen

Date: 06 MAR 2018

**RECORDED: 05/28/2018**