

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHANG KYUNG SUNG	02/11/2019
RODNEY KENDALL	02/10/2019
DAVID ERIC HUMPHREY	02/10/2019
HAJIME SUZUKI	02/11/2019
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15870367
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SIGNATURE:	/Gregory D. Leibold/
DATE SIGNED:	07/19/2019
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, WE

Chang Kyung SUNG of 19 Barrett Avenue, Thornleigh, New South Wales 2120, Australia

Rodney KENDALL of Elga Close, Cherrybrook, New South Wales 2126, Australia

David Eric HUMPHREY of 94b Baker Street, Carlingford, New South Wales 2118, Australia

Hajime SUZUKI of 125 Greville Street, Chatswood, New South Wales 2067, Australia

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in **"Improvements to a multi-user mimo-ofdm system"**

the specification of which:

- (a) [] was executed on even date herewith;
- (b) [X] was filed on **January 12, 2018** as United States Patent Application No. **15/870,367**
or
[] Express Mail No., as Application No. not yet known _____
and was amended on _____ (if applicable); or
- (c) [] was described and claimed in PCT International Application
No. **PCT/AU /** filed on _____ and as amended under PCT Article
19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS,

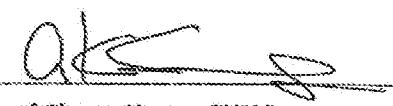
Commonwealth Scientific and Industrial Research Organisation of Clunies Ross Street, Acton,
Australian Capital Territory 2601, Australia


(hereinafter referred to as Assignee) desires to acquire the entire rights, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

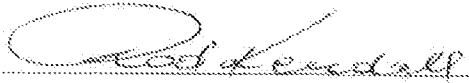
NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

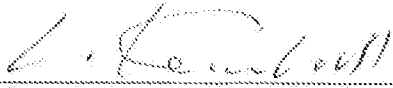
AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding; sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 11st day of February, 2019 
Signature of Chang Kyung SUNG


Witness

This 10 day of FEBRUARY, 2019 
Signature of **Rodney KENDALL**


Witness

This _____ day of _____, 20_____
Signature of **David Eric HUMPHREY**

Witness

This _____ day of _____, 20_____
Signature of **Hajime SUZUKI**


Witness

This _____ day of _____, 20____

Signature of **Rodney KENDALL**

Witness

This 10 day of February, 2019


Signature of **David Eric HUMPHREY**

Tammy Humphrey

Witness

This _____ day of _____, 20____

Signature of **Hajime SUZUKI**


Witness

This _____ day of _____, 20_____
Signature of Rodney KENDALL

Witness

This _____ day of _____, 20_____
Signature of David Eric HUMPHREY

Witness

This 11th day of February, 2019

Signature of Hajime SUZUKI

AKS

Witness