

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hajime Suzuki</td> <td>07/19/2012</td> </tr> <tr> <td>Joseph Abraham Pathikulangara</td> <td>07/19/2012</td> </tr> <tr> <td>David Humphrey</td> <td>07/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hajime Suzuki	07/19/2012	Joseph Abraham Pathikulangara	07/19/2012	David Humphrey	07/19/2012
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<table border="1"> <tr> <td>Name:</td> <td>Commonwealth Scientific and Industrial Research Organisation</td> </tr> <tr> <td>Street Address:</td> <td>Limestone Avenue</td> </tr> <tr> <td>City:</td> <td>Campbell, ACT 2612</td> </tr> <tr> <td>State/Country:</td> <td>AUSTRALIA</td> </tr> </table>		Name:	Commonwealth Scientific and Industrial Research Organisation	Street Address:	Limestone Avenue	City:	Campbell, ACT 2612	State/Country:	AUSTRALIA
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
<p>Fax Number: 5134217269 Phone: 513-241-2324 Email: lhayes@whe-law.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: WOOD, HERRON & EVANS, LLP Address Line 1: 2700 CAREW TOWER Address Line 2: 441 VINE STREET Address Line 4: CINCINNATI, OHIO 45202</p>									
ATTORNEY DOCKET NUMBER:	SPRU-22								
NAME OF SUBMITTER:	Thomas J. Burger								
Total Attachments: 2 source=SPRU22_Assignment#page1.tif source=SPRU22_Assignment#page2.tif									

OP \$40.00 13516130

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE (1) Hajime Suzuki, a citizen of Japan, residing at 149 Ray Road, Epping, NSW 2121, Australia

(2) Joseph Abraham Pathikulangara, a citizen of Australia, residing at 40 Dent Street, Epping, NSW 2121, Australia

(3) David Humphrey, a citizen of Australia, residing at 10 Buyuma Street, Carlingford, NSW 2118, Australia

hereby sell, assign, transfer and convey unto Commonwealth Scientific and Industrial Research Organisation

incorporation details: a body corporate established by the Commonwealth Science and Industry Research Act 1949 (Cth)

having a place of business at Limestone Avenue, Campbell, ACT 2612, Australia

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

Channel estimation in a multi-user MIMO-OFDM system in the presence of user terminal symbol-specific phase offsets

and described in an application for Letters Patent of the United States filed by us on 14 June 2012

and which has been accorded Application No. 13/516,130

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.


AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property as amended, or by any convention which may henceforth be substituted for it.


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

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.


Dated: 19 7 2012
Day Month Year


Hajime Suzuki

Dated: 19 7 2012
Day Month Year


Joseph Abraham Pathikulangara

Dated: 19 7 2012
Day Month Year


David Humphrey

S&F Ref: 956579US

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