

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5679831

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LEO MONTREUIL	01/24/2018
RON PORAT	01/24/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.
<b>Street Address:</b>	1 YISHUN AVENUE 7
<b>City:</b>	SINGAPORE
<b>State/Country:</b>	SINGAPORE
<b>Postal Code:</b>	768923
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16546766
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(888)456-7824
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(512)480-2220
<b>Email:</b>	ktaylor@texaspatents.com
<b>Correspondent Name:</b>	GARLICK & MARKISON
<b>Address Line 1:</b>	100 CONGRESS AVENUE, SUITE 2000
<b>Address Line 4:</b>	AUSTIN, TEXAS 78701
<b>ATTORNEY DOCKET NUMBER:</b>	BP36330.1C1
<b>NAME OF SUBMITTER:</b>	KAREN TAYLOR
<b>SIGNATURE:</b>	/Karen Taylor/
<b>DATE SIGNED:</b>	08/21/2019
<b>Total Attachments: 2</b>	
source=BP36330_1C1_Assignment_signed#page1.tif	
source=BP36330_1C1_Assignment_signed#page2.tif	

Application No.: 15/879,375  
Filing Date: 01/24/2018  
Patent No.:  
Issue Date:

## ASSIGNMENT

**WHEREAS**, the undersigned inventor(s), hereinafter called the "Assignors", have invented a new and useful invention entitled:

### **Multiple user (MU) short feedback response in wireless communications**

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith or that was filed with the United States Patent and Trademark Office on the 24th day of January, 2018. The Assignors believe himself/herself/themselves to be the original inventor(s) of the invention disclosed and claimed in the application for Letters Patent.

**WHEREAS**, The entity identified immediately below having a principal office and place of business as identified, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

**Avago Technologies General IP (Singapore) Pte. Ltd.**  
a Singapore company with UEN 2005-12430-D  
1 Yishun Avenue 7  
Singapore 768923

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN**, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, any and all provisional patent applications from which the application claims priority, and all Letters Patents that may issue for the said invention, and all divisional, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

**FURTHER**, be it known that the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention. Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection with any and all domestic and foreign patent applications identified herein or related to such identified patent applications in respective prosecution thereof and/or to perfect such patent rights.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and

Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this Assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

The United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Inventor(s):

/ <u>Leo Montreuil</u>	/01-24-2018	_____
Leo Montreuil	Date	Date
/ <u>Ron Porat</u>	/ 01-24-2018	_____
Ron Porat	Date	Date
_____	Date	Date
_____	Date	Date
_____	Date	Date
_____	Date	Date