

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5957077

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FUJITSU LIMITED	10/15/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FUJITSU CONNECTED TECHNOLOGIES LIMITED
<b>Street Address:</b>	1-1, KAMIKODANAKA 4-CHOME
<b>Internal Address:</b>	NAKAHARA-KU, KAWASAKI-SHI
<b>City:</b>	KANAGAWA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	211-8588
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16783772
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(866)864-3947
<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>	973-828-1284
<b>Email:</b>	patent@myerswolyn.com
<b>Correspondent Name:</b>	BRIAN S. MYERS
<b>Address Line 1:</b>	100 HEADQUARTERS PLAZA
<b>Address Line 2:</b>	WEST TOWER, 7TH FLOOR
<b>Address Line 4:</b>	MORRISTOWN, NEW JERSEY 07960-6834
<b>ATTORNEY DOCKET NUMBER:</b>	FCNT 6419A
<b>NAME OF SUBMITTER:</b>	BRIAN S. MYERS
<b>SIGNATURE:</b>	/Brian S. Myers/
<b>DATE SIGNED:</b>	02/11/2020
<b>Total Attachments: 5</b>	
source=fcnt_6419A_20200206_Assign_Exec#page1.tif	
source=fcnt_6419A_20200206_Assign_Exec#page2.tif	
source=fcnt_6419A_20200206_Assign_Exec#page3.tif	
source=fcnt_6419A_20200206_Assign_Exec#page4.tif	



PATENT ASSIGNMENT

WHEREAS, the below named ASSIGNOR, **Fujitsu Limited**, having a principal address at **1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan** is the owner of all right, title and interest to certain inventions and applications set forth in the attached Exhibit A.

WHEREAS, **Fujitsu Connected Technologies Limited**, having a principal address at **1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan** ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under said inventions and applications in **Exhibit A**.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) paid to Assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said inventions and said applications in the attached **Exhibit A**, and all divisions, renewals and continuations thereof, and all patents which may be granted thereon and all reissues and extensions 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 inventions 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 the United States applications 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, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

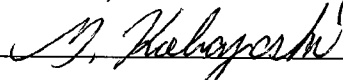
This assignment includes the right to sue past, current, and future infringers of the patents and inventions listed in **Exhibit A**, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said inventions in any country or countries foreign to the United States to obtain damages and injunctive relief from or against all such infringers, and to recover all damages in connection therewith, including past damages.

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks 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


ASSIGNOR covenants and agrees that it has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that it will cooperate with and communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign 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 protection for said invention in all countries.

FUJITSU LIMITED, ASSIGNOR

By:   
 Name: Yasuhide KOBAYASHI  
 Title: Head of Intellectual Property Center  
 Date: October 15, 2018

FUJITSU CONNECTED TECHNOLOGIES LIMITED, ASSIGNEE

By:   
 Name: Toru TERAOKA  
 Title: Head of Intellectual Property & Legal Division  
 Date: October 23, 2018

**EXHIBIT A – APPLICATIONS – FUJITSU CONNECTED TECHNOLOGIES LIMITED**

WIRELESS COMMUNICATION SYSTEM, BASE STATION, MOBILE STATION, AND WIRELESS COMMUNICATION METHO	3/27/2014	14227586	FJSC 4996
METHOD FOR RESOURCE ALLOCATION, METHOD FOR CHANNEL STATE INFORMATION TRANSMISSION, BASE STATION	9/16/2014	14487664	FJSC 5184
RADIO COMMUNICATION SYSTEM, RADIO BASE STATION APPARATUS, TERMINAL APPARATUS, AND RADIO RESOURCE ALLOCATION METHOD	11/21/2014	14550219	FJSC 5472
METHOD FOR FEEDING BACK CHANNEL STATE INFORMATION, UE AND SYSTEM	12/1/2014	14556961	FJSC 5407
RADIO COMMUNICATION METHOD, RADIO COMMUNICATION SYSTEM, RADIO BASE STATION, AND RADIO TERMINAL	2/4/2015	14613730	FJSC 5581
POWER COMPENSATING METHOD, USER EQUIPMENT AND BASE STATION *	4/16/2015	14688471	FJSC 5706
METHOD AND APPARATUS FOR CONFIGURING INFORMATION, REPORTING CONNECTION SETUP REQUEST AND SYSTEM	5/19/2015	14716217	FJSC 5766
RANDOM ACCESS METHOD AND APPARATUS AND SYSTEM	7/1/2015	14789208	FJSC 5823
SYSTEM INFORMATION BROADCAST IN MACHINE-TO-MACHINE RADIO ACCESS SYSTEMS	1/28/2016	14908504	FJSC 7243
WIRELESS COMMUNICATION SYSTEM, MOBILE STATION, BASE STATION, AND WIRELESS COMMUNICATION METHOD	11/5/2015	14933582	FJSC 6032
INFORMATION ACQUIRING METHOD, PARAMETER OPTIMIZING METHOD AND APPARATUSES THEREOF AND SYSTEM	12/14/2015	14968201	FJSC 6087
POWER CONTROL METHOD, UE AND COMMUNICATION SYSTEM	1/25/2016	15005503	FJSC 6130
NETWORK CONFIGURATION METHOD AND APPARATUS AND SYSTEM	2/1/2016	15012118	FJSC 6133
INFORMATION INTERACTION METHOD, BASE STATION AND COMMUNICATION SYSTEM	2/2/2016	15013441	FJSC 6119

INFORMATION EXCHANGE METHOD, BASE STATION AND COMMUNICATION SYSTEM	2/2/2016	15013450	FJSC 6136
CELL DISCOVERY AND MEASUREMENT METHOD, BASE STATION AND UE	2/2/2016	15013453	FJSC 6131
MULTIPLE USER MULTI-INPUT MULTI-OUTPUT TRANSMISSION METHOD, USER EQUIPMENT AND BASE STATION*	2/2/2016	15013467	FJSC 6180
POWER CONTROL METHOD FOR UPLINK CHANNEL, USER EQUIPMENT AND COMMUNICATION SYSTEM	2/3/2016	15014728	FJSC 6160
WIRELESS COMMUNICATION SYSTEM, WIRELESS BASE STATION, WIRELESS TERMINAL, AND WIRELESS COMMUNICATION METHOD	2/4/2016	15015702	FJSC 5184A
METHOD FOR FEEDING BACK CHANNEL STATE INFORMATION, UE AND SYSTEM	2/10/2016	15040515	FJSC 5407A
METHOD AND APPARATUS FOR SELECTING MULTI-USER PAIRING IN A MULTI-USER MULTI-INPUT MULTI-OUTPUT SYSTEM *	2/24/2016	15052260	FJSC 5542A
METHOD AND APPARATUS FOR TRANSMITTING D2D DISCOVERY SIGNAL AND COMMUNICATION SYSTEM	6/3/2016	15173010	FJSC 6419
BEAM SELECTION METHOD AND APPARATUS AND COMMUNICATION SYSTEM	7/25/2016	15218802	FJSC 6488
METHOD FOR TRANSMITTING AN ENHANCED CONTROL SIGNALING, BASE STATION AND USER EQUIPMENT *	7/27/2016	15220754	FJSC 6570
WIRELESS COMMUNICATIONS SYSTEM, BASE STATION, TERMINAL, AND PROCESS METHOD	8/25/2016	15247015	FJSC 6678
SIGNAL RETRANSMISSION APPARATUS AND METHOD AND COMMUNICATION SYSTEM	9/22/2016	15272917	FJSC 6703
WIRELESS TERMINAL, WIRELESS STATION, WIRELESS COMMUNICATION SYSTEM, AND WIRELESS COMMUNICATION METHOD	10/3/2016	15283800	FJSC 6764
METHOD AND APPARATUS FOR UPLINK INTERFERENCE AVOIDANCE IN CASE OF TIMING ADVANCE GROUP RECONFIGURATION	10/24/2016	15332677	FJSC 6853
METHOD AND APPARATUS FOR RESOURCE MAPPING OF A PHYSICAL DOWNLINK CONTROL CHANNEL	10/24/2016	15332687	FJSC 6847

MOBILE STATION-CONTROLLED WAKE-UP OF A SMALL CELL BASE STATION FROM A SLEEP MODE	11/30/2016	15364886	FJSC 6781
WIRELESS COMMUNICATION SYSTEM, WIRELESS DEVICE, METHOD OF COMMUNICATIONS BY WIRELESS DEVICE, WIRELESS BASE STATION, AND METHOD OF COMMUNICATIONS BY WIRELESS BASE STATION	11/30/2016	15364965	FJSC 6940
WIRELESS COMMUNICATION SYSTEM, WIRELESS COMMUNICATION METHOD, WIRELESS DEVICE, AND WIRELESS BASE STATION	12/7/2016	15371798	FJSC 6971
WIRELESS COMMUNICATION SYSTEM, WIRELESS COMMUNICATION METHOD, WIRELESS DEVICE, AND WIRELESS BASE STATION	12/8/2016	15373097	FJSC 6972
SIGNALING INDICATION METHOD FOR DOWNLINK POWER ALLOCATION, ENB AND USER EQUIPMENT *	1/5/2017	15399444	FJSC 7002
METHOD AND APPARATUS FOR ANALYZING CAUSE OF LINK FAILURE	1/10/2017	15402415	FJSC 7022
COMMUNICATIONS SYSTEM, COMMUNICATIONS METHOD, COMMUNICATIONS APPARATUS, AND MOBILE TERMINAL	1/11/2017	15403550	FJSC 7024
WIRELESS TERMINAL, WIRELESS STATION, WIRELESS COMMUNICATION SYSTEM, AND WIRELESS COMMUNICATION METHOD	2/15/2017	15433719	FJSC 7085
CELL IDENTIFIER ALLOCATION APPARATUS AND METHOD, BASE STATION, READABLE PROGRAM AND MEDIUM	5/1/2017	15583419	FJSC 5503Aa
WIRELESS COMMUNICATIONS SYSTEM, MOBILE STATION, BASE STATION, AND COMMUNICATION METHOD	5/1/2017	15583423	FJSC 5418A
Method and Apparatus for Configuring Channel Quality indicator and Method and Apparatus for Configuring Modulation and Coding Scheme	6/6/2017	15615452	FJSC 5946A
WIRELESS COMMUNICATIONS SYSTEM, WIRELESS STATION, BASE STATION, AND COMMUNICATIONS METHOD	2/22/2018	15902645	FJSC 5473Aa
WIRELESS COMMUNICATION SYSTEM, WIRELESS BASE STATION, MOBILE STATION, AND WIRELESS COMMUNICATION CONTROL METHOD	3/5/2018	15912113	FJSC 7131A

METHOD AND APPARATUS FOR SELECTING MULTI-USER PAIRING IN A MULTI-USER MULTI-INPUT MULTI-OUTPUT SYSTEM *	3/28/2018	15938778	FJSC 5542Aa
---	-----------	----------	----------------