

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6296198

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the NAME AND ADDRESS OF THE ASSIGNEE previously recorded on Reel 053732 Frame 0658. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KDDI CORPORATION	07/21/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOYOTA JIDOSHA KABUSHIKI KAISHA
<b>Street Address:</b>	1, TOYOTA-CHO
<b>City:</b>	TOYOTA-SHI, AICHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	471-8571
<b>PROPERTY NUMBERS Total: 9</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8761145
Patent Number:	9008068
Patent Number:	9270402
Patent Number:	9160476
Patent Number:	9143258
Patent Number:	9219564
Patent Number:	9025431
Patent Number:	9357550
Patent Number:	9148245
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	2027393000
<b>Email:</b>	patents@morganlewis.com, robert.goodell@morganlewis.com
<b>Correspondent Name:</b>	MORGAN LEWIS & BOCKIUS LLP
<b>Address Line 1:</b>	1111 PENNSYLVANIA AVE., N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>NAME OF SUBMITTER:</b>	ROBERT J. GOODELL

<b>SIGNATURE:</b>	/Robert J. Goodell/
<b>DATE SIGNED:</b>	09/14/2020
<b>Total Attachments: 5</b> source=Corrected#page1.tif source=Corrected#page2.tif source=Corrected#page3.tif source=Corrected#page4.tif source=Corrected#page5.tif	



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 11, 2020

PTAS

MORGAN LEWIS & BOCKIUS LLP  
1111 PENNSYLVANIA AVE., N.W.  
WASHINGTON, DC 20004

**506244791**

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 09/10/2020

REEL/FRAME: 053732/0658  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KDDI CORPORATION

DOC DATE: 07/21/2020

ASSIGNEE: TOYOTA

~~TOYOTA~~ JIDOSHA KABUSHIKI KAISHA  
1, TOYOTA-CHO  
TOYOTA-SHI, AICHI, JAPAN 471-8571

APPLICATION NUMBER: 12447209

FILING DATE: 04/24/2009

PATENT NUMBER: 8761145

ISSUE DATE: 06/24/2014

TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14166237

FILING DATE: 01/28/2014

PATENT NUMBER: 9008068

ISSUE DATE: 04/14/2015

TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14166267

FILING DATE: 01/28/2014

PATENT NUMBER: 9148245

ISSUE DATE: 09/29/2015

TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14166279

FILING DATE: 01/28/2014

PATENT NUMBER: 9270402

ISSUE DATE: 02/23/2016

TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14166285                      FILING DATE: 01/28/2014  
PATENT NUMBER: 9160476                              ISSUE DATE: 10/13/2015  
TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14166300                      FILING DATE: 01/28/2014  
PATENT NUMBER: 9143258                              ISSUE DATE: 09/22/2015  
TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14166307                      FILING DATE: 01/28/2014  
PATENT NUMBER: 9219564                              ISSUE DATE: 12/22/2015  
TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14166332                      FILING DATE: 01/28/2014  
PATENT NUMBER: 9025431                              ISSUE DATE: 05/05/2015  
TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

APPLICATION NUMBER: 14962436                      FILING DATE: 12/08/2015  
PATENT NUMBER: 9357550                              ISSUE DATE: 05/31/2016  
TITLE: WIRELESS TERMINAL APPARATUS AND WIRELESS BASE STATION APPARATUS

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6291536

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KDDI CORPORATION	07/21/2020
<b>RECEIVING PARTY DATA</b> <u>TOYOTA</u>	
<b>Name:</b>	TOYOTA JIDOSHA KABUSHIKI KAISHA
<b>Street Address:</b>	1, TOYOTA-GHA CHO
<b>City:</b>	TOYOTA-SHI, AICHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	471-8571
<b>PROPERTY NUMBERS Total: 9</b>	
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<b>Phone:</b>	2027393000
<b>Email:</b>	patents@morganlewis.com, robert.goodell@morganlewis.com
<b>Correspondent Name:</b>	MORGAN LEWIS & BOCKIUS LLP
<b>Address Line 1:</b>	1111 PENNSYLVANIA AVE., N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>NAME OF SUBMITTER:</b>	ROBERT J. GOODELL
<b>SIGNATURE:</b>	/Robert J. Goodell/

## PARTIAL ASSIGNMENT OF US PATENT RIGHTS

THIS PARTIAL ASSIGNMENT, by KDDI CORPORATION, (hereinafter referred to as "the Assignor"), respectively, witnesseth:

WHEREAS, the Assignor is the owner of certain new and useful improvements set forth in U.S. Patent Nos. 8,761,145; 9,008,068; 9,148,245; 9,270,402; 9,160,476; 9,143,258; 9,219,564; 9,025,431; and 9,357,550 (hereinafter referred to as "said PATENTS").

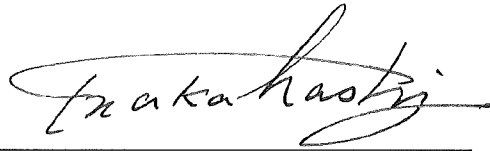
WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, (hereinafter referred to as "the Assignee") having its principal place of business at 1, Toyota-cho, Toyota-shi, Aichi 471-8571 Japan, is desirous of acquiring an undivided fifty percent (50%) of the right, title, and interest in and to said PATENTS and an undivided fifty percent (50%) of the right title and interest in and to any reexamination and reissue applications, and in and to any United States Letters Patent or Patents to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns an undivided fifty percent (50%) of the right, title, and interest in and to the above-mentioned PATENTS, the right to file reexamination and reissue applications, and an undivided fifty percent (50%) of the right, title and interest in and to any such applications, and any and all Letters Patent or Patents of the United States of America that may be granted therefore and thereon, and in and to any and all applications, and reexaminations, reissues and extensions of said Letters Patent or Patents of the United States of America, and, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents of the United States of America may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor are the sole and lawful owners of the entire right, title, and interest in and to said PATENTS and that the Assignor have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**IN WITNESS WHEREOF** this Assignment has been executed by the duly authorized representative of the Assignor.

DATE July 21, 2020

A handwritten signature in black ink, appearing to read 'Makoto Takahashi', written over a horizontal line.

Name: Makoto Takahashi  
Title: President  
KDDI CORPORATION

DB1/ 114337402.1