

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3611337

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CORRESPONDENT previously recorded on Reel 036969 Frame 0585. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
XIAODONG XU	09/01/2015
CUIBO YU	09/01/2015
YATENG HONG	09/01/2015
YA LIU	09/01/2015
CONG ZHENG	09/01/2015
LIYAO WEI	09/01/2015
XIAOJIA SONG	09/01/2015
ZHONGBIN QIN	10/12/2015
RECEIVING PARTY DATA	
Name:	SONY CORPORATION
Street Address:	1-7-1, KONAN, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-0075
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14889252
CORRESPONDENCE DATA	
Fax Number:	(703)413-2220
<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>	
Phone:	(703) 413-3000
Email:	hcho@oblon.com
Correspondent Name:	OBLON, ET AL.
Address Line 1:	1940 DUKE STREET
Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	462180US8XPCT
NAME OF SUBMITTER:	HYUN CHO

SIGNATURE:	/Hyun Cho/
DATE SIGNED:	11/11/2015
Total Attachments: 10 source=462180UScorrected#page1.tif source=462180UScorrected#page2.tif source=462180UScorrected#page3.tif source=462180UScorrected#page4.tif source=462180UScorrected#page5.tif source=462180UScorrected#page6.tif source=462180UScorrected#page7.tif source=462180UScorrected#page8.tif source=462180UScorrected#page9.tif source=462180UScorrected#page10.tif	

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NATURE OF CONVEYANCE:	ASSIGNMENT																		
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Phone: (703) 413-3000																			
Email: cgorham@oblion.com																			
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Correspondent Name: OBLON, SPIVAK, ET AL.																			
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Address Line 4: ALEXANDRIA, VIRGINIA 22314																			
ATTORNEY DOCKET NUMBER:	462180US8X PCT																		

NAME OF SUBMITTER:	CARLA M GORHAM
Signature:	/Carla M Gorham/
Date:	11/05/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8 source=462180US_ASN#page1.tif source=462180US_ASN#page2.tif source=462180US_ASN#page3.tif source=462180US_ASN#page4.tif source=462180US_ASN#page5.tif source=462180US_ASN#page6.tif source=462180US_ASN#page7.tif source=462180US_ASN#page8.tif	
RECEIPT INFORMATION EPAS ID: PAT3603075 Receipt Date: 11/05/2015	

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	<i>Device and method in wireless communication system</i>
As the below named inventor, I hereby declare that: This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/CN2014/078950</u> filed on <u>05/30/2014</u> The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, <u>Sony Corporation</u> (hereinafter referred to as "ASSIGNEES") having places of business at: <u>1-7-1, Konan, Minato-ku, Tokyo, Japan</u> <u>108-0075</u> , respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. LEGAL NAME OF INVENTOR Inventor: <u>Xiaodong XU</u> Date: <u>2015.09.01</u> Signature: <u>Xiaodong Xu</u>	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

Title of Invention	<u>Device and method in communication system</u> <u>wireless</u>
As the below named inventor, I hereby declare that:	
This declaration <input type="checkbox"/> The attached application, or	
is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/CN2014/078950</u> filed on <u>05/30/2014</u>	
The above-identified application was made or authorized to be made by me.	
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LEGAL NAME OF INVENTOR	
Inventor: <u>Cuibo YU</u>	Date: <u>2015.09.01</u>
Signature: <u>Cuibo YU</u>	

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Title of Invention	<i>Device and method in wireless communication system</i>
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LEGAL NAME OF INVENTOR	
Inventor: <u>Yateng HONG</u>	Date: <u>2015.09.01</u>
Signature: <u>Yateng Hong</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Ya LIU</u>	Date: <u>7/15.09.01</u>
Signature: <u>Ya Liu</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Cong ZHENG</u>	Date: <u>2015. 05. 01</u>
Signature: <u>Cong ZHENG</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Liyao WEI</u>	Date: <u>2015.09.01</u>
Signature: <u><i>Liyao WEI</i></u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Xiaojia SONG</u>	Date: <u>2015 09 01</u>
Signature: <u>Xiaojia Song</u>	

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	<i>Device and method in wireless communication system</i>
As the below named inventor, I hereby declare that:	
This declaration <input type="checkbox"/> The attached application, or	
is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/CN2014/078950</u> filed on <u>05/30/2014</u>	
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, Sony Corporation (hereinafter referred to as "ASSIGNEES") having places of business at: <u>1-7-1, Konan, Minato-ku, Tokyo, Japan</u> <u>108-0075</u> , respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;	
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
Inventor: <u>Zhongbin QIN</u>	Date: <u>12th Oct, 2015</u>
Signature: <u><i>Zhongbin Qin</i></u>	

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