504069334 10/27/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4116000

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NAOKI KUSASHIMA	09/09/2016
WATARU OUCHI	09/01/2016
KAZUYUKI SHIMEZAWA	09/11/2016
TAKASHI HAYASHI	10/01/2016
ALVARO RUIZ DELGADO	09/11/2016
TOSHIZO NOGAMI	09/07/2016
KIMIHIKO IMAMURA	09/01/2016

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA
Street Address:	1 TAKUMI-CHO, SAKAI-KU
City:	SAKAI CITY, OSAKA
State/Country:	JAPAN
Postal Code:	590-8522

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15307038

CORRESPONDENCE DATA

Fax Number: (571)313-7421

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.

Phone: 571-313-7440

Email: mrhodes@kbiplaw.com
Correspondent Name: KEATING & BENNETT, LLP
Address Line 1: 1800 ALEXANDER BELL DR.

Address Line 2: SUITE 200

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	70404.3272/HA
NAME OF SUBMITTER:	MICHELLE RHODES
SIGNATURE:	/AMD/mr/
DATE SIGNED:	10/27/2016

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 12

source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page1.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page3.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page3.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page4.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page5.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page6.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page7.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page8.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page9.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page10.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page11.tif source=70404-3272-PTO-20161027-Signed-Declaration-Assignment#page11.tif

TERMINAL DEVICE, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT			
Title			
As a below named INVENTOR/ASSIGNOR, I hereby declare that:			
This declaration The attached application, or			
is directed to: United States application or PCT international application number PCT/JP2015/062602 filed on April 24, 2015			
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.			
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.			
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.			
WHEREAS, Sharp Kabushiki Kaisha (hereinafter referred to as "ASSIGNEE") having places of business at: 1. Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan, is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries;			
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements.			
ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;			
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.			
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 FIRST INVENTOR/ASSIGNOR			
Inventor: KUSASHIMA, Naoki Date: Sept. 720/6			
Signature: Nacki Kroschba			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: OUCHI, Wataru	Date:
Signature:	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: SHIMEZAWA, Kazuyuki	Date:
Signature:	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: HAYASHI, Takashi	Date:
Signature:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: RUIZ DELGADO, Alvaro	Date:
Signature:	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: NOGAMI, Toshizo	Date:
Signature:	· · · · · · · · · · · · · · · · · · ·
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor: IMAMURA, Kimihiko	Date:
Signature:	

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LEGAL NAME OF FIRST INVENTOR/ASSIGNOR			
Inventor	r: KUSASHIMA, Naoki Date:		
Signatur	re:		

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: OUCHI, Wataru	Date: Sep. / 29/6
Signature: Watory Ouchi	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: SHIMEZAWA, Kazuyuki	Date:
Signature:	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: HAYASHI, Takashi	Date:
Signature:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: RUIZ DELGADO, Alvaro	Date:
Signature:	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: NOGAMI, Toshizo	Date:
Signature:	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor: IMAMURA, Kimihiko	Date: Sep. 1, 2016
Signature: Kimiliko (hvanusa	

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LEGAL NAME OF FIRST INVENTOR/ASSIGNOR			
Invento	or: KUSASHIMA, Naoki Date:		
Signatu	ire:		

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: OUCHI, Wataru	Date:
Signature:	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	0
Inventor: SHIMEZAWA, Kazuyuki	Date: Sept. 11,2016
Signature: Ran Dh	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: HAYASHI, Takashi	Date:
Signature:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: RUIZ DELGADO, Alvaro	Date:
Signature:	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: NOGAMI, Toshizo	Date:
Signature:	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR .	
Inventor: IMAMURA, Kimihiko	Date:
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Invento	cor: KUSASHIMA, Naoki	Oate:	
Signatur	ure:		

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Signature:	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: SHIMEZAWA, Kazuyuki	Date:
Signature:	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: HAYASHI, Takashi	Date: Oct, 1, 2016
Signature: Jalashi Hayashi	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: RUIZ DELGADO, Alvaro	Date:
Signature:	
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Inventor: HAYASHI, Takashi	Date:
Signature:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: RUIZ DELGADO, Alvaro	Date: September 11, 2016
Signature: Álvais Rua Delgado	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: NOGAMI, Toshizo	Date:
Signature:	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor: IMAMURA, Kimihiko	Date:
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Inventor: RUIZ DELGADO, Alvaro	Date:
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LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: NOGAMI, Toshizo	Date: Sep. 7, 2016
Signature: Carry Dy	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor: IMAMURA, Kimihiko	Date:
Signature:	
•	7 10

RECORDED: 10/27/2016