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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroyuki Akutagawa	07/16/2013
Takehiko Kobayashi	07/16/2013

RECEIVING PARTY DATA

Name:	Hitachi Kokusai Electric Inc.
Street Address:	14-1, Sotokanda 4-chome
City:	Chiyoda-ku, Tokyo
State/Country:	JAPAN
Postal Code:	1018980

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13996430

CORRESPONDENCE DATA

Fax Number: 3128035299

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (312) 845-3430

Email: kalwa@chapman.com

Correspondent Name: Richard Kalwa

Address Line 1: 111 West Monroe Street
Address Line 2: Chapman and Cutler LLP

Address Line 4: Chicago, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	1723493
NAME OF SUBMITTER:	Richard Kalwa
Signature:	/richard kalwa/
Date:	07/24/2013

Total Attachments: 3

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> PATENT REEL: 030865 FRAME: 0135

First N	amed	١Ir	١V	eni	tor
Title of	Inve	nti	or	١:	

Hiroyuki AKUTAGAWA

1723493

Transmitter, Receiver, Communication System, and Communication Method

Attorney Docket No.:

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

Assignee's Name:

Hitachi Kokusai Electric Inc.

Assignee's Address:

14-1, Sotokanda 4-chome, Chiyoda-ku,

Tokyo 1018980 JAPAN

(hereinafter "Assignee") the entire right, title and interest for the United States of America, its territories and possessions, in and to his/her invention relating to:

Invention Title: Transmitter, Receiver, Communication System, and Communication Method

executed concurrently herewith,	
executed on	
X Serial No. 13/996,430 , filed on June 20, 2013 , as amend	ed.

in and to said Patent Application including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States, which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said Assignee, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

Each of the undersigned hereby authorizes and requests the U.S. Commissioner of Patents and Trademarks to issue all such Letters Patent for said invention to Assignee, its successors or assigns, in accordance with the terms of this Assignment.

First Named Inventor: Title of Invention:	Hiroyuki AKUTAGAWA Transmitter, Receiver, Communication System, and Communication Method
Attorney Docket No.:	1723493
unencumbered right to	ed warrants, covenants, and agrees that he/she has the full and sell and assign the interests herein sold and assigned, and that ed and will not execute any document or instrument in conflict
communicate to said information known to hi will execute and deliv proceedings and perfor Assignee, its successor and enforce patent prodivisions and continuate granted therefor or the successors, or assigns, or assigns in obtaining, Each of the undersigned partner thereof, the power may be necessary or	gned further warrants, covenants and agrees he/she will Assignee, its successors, legal representatives or assigns all m relating to said invention or patent application and that he/she ver any papers, make all rightful oaths, testify in any legal rm all other lawful acts deemed necessary or desirable by said rs, legal representatives or assigns to perfect title to or to obtain otection for said invention, and for said application including tions thereof and to any and all Letters Patent which may be ereon, including reissues or extensions, in said Assignee, its or to assist said Assignee, its successors, legal representatives reissuing or enforcing Letters Patent for said invention. The definition of the control of
Trademark Office Coffice	rning recordation of this Assignment.
Full Name of Inventor:	Hiroyuki AKUTAGAWA
Citizen of:	JAPAN
Address:	C/O Hitachi Kokusai Electric Inc.
	32 Miyuki-cho, Kodaira-shi, Tokyo 1878511 JAPAN
Inventor's signature;	Hiroyuki Akutagana
Date of Signature:	Hiroyuki Akutagana 16. July. 2013

Witness:

Title of Invention:	Transmitter, Receiver, Communication System, and Communication Method		
Attorney Docket No.:	1723493		
Full Name of Inventor:	Takehiko KOBAYASHI		
Citizen of:	JAPAN		
Address:	C/O Hitachi Kokusai Electric Inc.		
	32 Miyuki-cho, Kodaira-shi, Tokyo 1878511 JAPAN		
Inventor's signature:	Jakekitha Hobigashit		
Date of Signature:	Jakekitha Hobingashit 16 July, 2013.		
Witness:			
Full Name of Inventor:			
Citizen of:			
Address:			
Inventor's signature:			
Date of Signature:			
Witness			

First Named Inventor: Hiroyuki AKUTAGAWA

Title of Invention: