

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TERUFUMI YAMAGUCHI	02/10/2014
YUHEI OTSUKA	02/10/2014
TOSHIHITO SHIRAI	02/10/2014
HIDEYUKI KATO	02/10/2014
MASAHIDE TAKAHASHI	02/10/2014
HIROSHI OGIHARA	02/10/2014
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14180321
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DATE SIGNED:	05/12/2014
Total Attachments: 2	

PATENT

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Docket No.: 075223-0033

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>Terufumi YAMAGUCHI</u>	(4) <u>Hideyuki KATO</u>
(2) <u>Yuhei OTSUKA</u>	(5) <u>Masahide TAKAHASHI</u>
(3) <u>Toshihito SHIRAI</u>	(6) <u>Hiroshi OGIHARA</u>

who have made a certain new and useful invention, hereby sell, assign and transfer unto

THE NIPPON SIGNAL CO., LTD., 5-1, Marunouchi 1-chome, Chiyoda-ku,
Tokyo 100-6513 Japan

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

WIRELESS COMMUNICATION NETWORK SYSTEM

for which an application for United States Letters Patent was filed on 14/180,321, and identified by United States Application No. February 13, 2014 ;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related

to said invention, and to execute any papers by or for said ASSIGNEE, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Terufumi YAMAGUCHI</u> Name: Terufumi YAMAGUCHI	<u>February 10, 2014</u>
2) <u>Yuhei OTSUKA</u> Name: Yuhei OTSUKA	<u>February 10, 2014</u>
3) <u>Toshihito SHIRAI</u> Name: Toshihito SHIRAI	<u>February 10, 2014</u>
4) <u>Hideyuki KATO</u> Name: Hideyuki KATO	<u>February 10, 2014</u>
5) <u>Masahide TAKAHASHI</u> Name: Masahide TAKAHASHI	<u>February 10, 2014</u>
6) <u>Hiroshi OGIHARA</u> Name: Hiroshi OGIHARA	<u>February 10, 2014</u>