

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																										
NATURE OF CONVEYANCE:	ASSIGNMENT																										
CONVEYING PARTY DATA																											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Riichi KUDO</td> <td>12/26/2011</td> </tr> <tr> <td>Takayuki KOBAYASHI</td> <td>12/26/2011</td> </tr> <tr> <td>Koichi ISHIHARA</td> <td>12/26/2011</td> </tr> <tr> <td>Yasushi TAKATORI</td> <td>12/26/2011</td> </tr> <tr> <td>Hideyuki NOSAKA</td> <td>12/26/2011</td> </tr> <tr> <td>Munehiro MATSUI</td> <td>12/26/2011</td> </tr> <tr> <td>Masato MIZOGUCHI</td> <td>12/26/2011</td> </tr> <tr> <td>Tadao NAKAGAWA</td> <td>12/26/2011</td> </tr> <tr> <td>Etsushi YAMAZAKI</td> <td>12/26/2011</td> </tr> <tr> <td>Akihide SANO</td> <td>12/26/2011</td> </tr> <tr> <td>Yutaka MIYAMOTO</td> <td>12/26/2011</td> </tr> <tr> <td>Eiji YOSHIDA</td> <td>12/26/2011</td> </tr> </tbody> </table>		Name	Execution Date	Riichi KUDO	12/26/2011	Takayuki KOBAYASHI	12/26/2011	Koichi ISHIHARA	12/26/2011	Yasushi TAKATORI	12/26/2011	Hideyuki NOSAKA	12/26/2011	Munehiro MATSUI	12/26/2011	Masato MIZOGUCHI	12/26/2011	Tadao NAKAGAWA	12/26/2011	Etsushi YAMAZAKI	12/26/2011	Akihide SANO	12/26/2011	Yutaka MIYAMOTO	12/26/2011	Eiji YOSHIDA	12/26/2011
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RECEIVING PARTY DATA																											
Name:	NIPPON TELEGRAPH AND TELEPHONE CORPORATION																										
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Postal Code:	100-8116																										
PROPERTY NUMBERS Total: 1																											
Property Type	Number																										
Application Number:	13381114																										
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)  
5259-000145/US/NP

Whereas, I, (1) Riichi KUDO; (2) Takayuki KOBAYASHI; (3) Koichi ISHIHARA; (4) Yasushi TAKATORI; (5) Hideyuki NOSAKA; (6) Munehiro MATSUI; (7) Masato MIZOGUCHI; (8) Tadao NAKAGAWA; (9) Etsushi YAMAZAKI; (10) Akihide SANO; (11) Yutaka MIYAMOTO and (12) Eiji YOSHIDA of c/o NTT Intellectual Property Center, 9-11, Midori-cho 3-chome, Musashino-shi, Tokyo 180-8585 Japan, hereafter referred to as applicant, have invented certain new and useful improvements in

METHOD FOR RECEIVING FREQUENCY DOMAIN MULTIPLEXED SIGNAL AND DEVICE FOR RECEIVING FREQUENCY DOMAIN MULTIPLEXED SIGNAL

for which an application for a United States Patent was filed on 28 December 2011

Application Number 13,381,114

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, NIPPON TELEGRAPH AND TELEPHONE CORPORATION of Japan herein referred to as "assignee" whose post office address is 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8116 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of \_\_\_\_\_ dollars (\$\_\_\_\_), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said 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.

Executed this 26th day of December, 2011, at Tokyo, Japan.

Riichi Kudo  
(Signature) Riichi KUDO

Takayuki Kobayashi  
(Signature) Takayuki KOBAYASHI

Koichi Ishihara  
(Signature) Koichi ISHIHARA

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

*Yasushi Takatori*  
\_\_\_\_\_  
(Signature) Yasushi TAKATORI

*Hideyuki Nosaka*  
\_\_\_\_\_  
(Signature) Hideyuki NOSAKA

*Munehiro Matsui*  
\_\_\_\_\_  
(Signature) Munehiro MATSUI

*Masato Mizoguchi*  
\_\_\_\_\_  
(Signature) Masato MIZOGUCHI

*Tadao Nakagawa*  
\_\_\_\_\_  
(Signature) Tadao NAKAGAWA

*Etsushi Yamazaki*  
\_\_\_\_\_  
(Signature) Etsushi YAMAZAKI

*Akihide Sano*  
\_\_\_\_\_  
(Signature) Akihide SANO

*Yutaka Miyamoto*  
\_\_\_\_\_  
(Signature) Yutaka MIYAMOTO

*Eiji Yoshida*  
\_\_\_\_\_  
(Signature) Eiji YOSHIDA

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )  
Before me personally appeared said \_\_\_\_\_  
and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_\_\_. Seal (Notary Public)

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