## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Mitsuru HIRAKAWA	05/11/2010

### **RECEIVING PARTY DATA**

Name:	SUMITOMO ELECTRIC INDUSTRIES, LTD.	
Street Address:	5-33, Kitahama 4-chome, Chuo-ku,	
City:	Osaka-shi, Osaka	
State/Country:	JAPAN	
Postal Code:	541-0041	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12741786

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 070456-0275

NAME OF SUBMITTER: Stephen A. Becker, 26,527

**Total Attachments: 3** 

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> PATENT REEL: 024885 FRAME: 0924

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RECORDATION FORM COVER SHEET					
Docket No.: 070456-0275 PATENTS ONLY					
To the Director of the U. S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.				
1. Name of Conveying Party(ies)	2. Name and address of receiving party(ies)				
Mitsuru HIRAKAWA	Name: SUMITOMO ELECTRIC INDUSTRIES, LTD.				
	Internal Address:				
Additional name(s) of conveying party(ies) attached? \( \subseteq \text{Yes} \subseteq \text{No} \)					
3. Nature of Conveyance/Execution Date(s)	Address: 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi,				
Execution Date(s): May 11, 2010	Osaka 541-0041 Japan				
☐ Security Agreement ☐ Change of Name					
Joint Research Agreement					
Government Interest Assignment					
Executive Order 9424, Confirmatory License					
Other	Additional name(s) & address(es) attached?  Yes  No				
4. Application or patent number(s):	☐ This document is being filed together with a new application.				
A. Patent Application No(s).	B. Patent No(s).				
12/741,786, filed on May 6, 2010					
Additional numbers attac	ched? Yes No				
5. Name and address to whom correspondence concerning	6. Total number of applications and patents				
document should be mailed:	involved:				
Name: MCDERMOTT WILL & EMERY LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00				
Internal Address:	Authorized to be charged by credit card				
	Authorized to be charged to deposit account				
Street Address: 600 13th Street, N.W.	Enclosed				
	None required (government interest not affecting title)				
City: Washington, State: DC Zip: 20005-3096					
D.C.					
Phone Number: 202.756.8000	8. Payment Information:				
Fax Number: 202.756.8087	·				
1					
Email Address:	a. Credit Card Last 4 Numbers				
Email Address:	Expiration Date				
Email Address:	Expiration Date b. Deposit Account Number 500417				
Email Address:	Expiration Date				
9. Signature.	Expiration Date b. Deposit Account Number 500417				
	Expiration Date b. Deposit Account Number 500417				
9. Signature. Stephen A. Becker, 26,527 Name and Registration No. of Person Signing	Expiration Date  b. Deposit Account Number 500417 Authorized User Name				

PATENT REEL: 024885 FRAME: 0925 **Attorney Docket No.**: <u>070456-0275</u>

## **ASSIGNMENT**

WHEREAS, <u>Mitsuru HIRAKAWA</u>, hereinafter called the "Assignors," have jointly invented a new and useful invention entitled <u>Radio Communication Device for</u>
Performing Communication Using the OFDMA System, for which he has:

(a)	filed an application for United States Letters Patent on May 6, 2010 as (Serial No. 12/741,786); or
(b)	executed an application for United States Letters Patent on; or
(c)	filed a provisional application on as (Serial No); and

WHEREAS, <u>sumitomo Electric Industries</u>, <u>Ltd.</u>, a corporation organized and existing under the laws of <u>Japan</u>, having a place of business at:

5-33, <u>Kitahama 4-chome</u>, <u>Chuo-ku</u>, <u>Osaka-shi</u>, <u>Osaka 541-0041 Japan</u>, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

PATENT REEL: 024885 FRAME: 0926 And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: _ <u>/</u>	May 11, 2010	Mitsuru HIRAK	HIRAKAWA AWA	_ (Seal)
Date:	·			_ (Seal)
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Date:				_ (Seal)
Date:				_ (Seal)

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