Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the assignee address previously recorded on Reel 018751 Frame 0513. Assignor(s) hereby confirms the the assignee address should appear as: 5-33 Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan.

CONVEYING PARTY DATA

Name	Execution Date
Taichiro NISHIKAWA	12/06/2006
Yoshihiro NAKAI	12/07/2006

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11631361

CORRESPONDENCE DATA

Fax Number: (202)856-8087

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

Phone: 202-756-8356

Email: Kadkins@mwe.com

Correspondent Name: Kayla Adkins

Address Line 1: 600 Thirteenth Street, N.W.

Address Line 4: Washington, D.C., DISTRICT OF COLUMBIA 20005-3096

ATTORNEY DOCKET NUMBER: 050395-0398	
NAME OF SUBMITTER:	Stephen A. Becker, 26,527

Total Attachments: 4

PATENT REEL: 020008 FRAME: 0231

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> PATENT REEL: 020008 FRAME: 0232

01-09-2007	AP15 Rec'd PCT/PTO 29 DEC 2 1 1/631 361
FORM PTO-159: (Rev. 08/05) 103358826 Docket No.: 050395-0398	M COVER SHEET U.S. DEPARTMENT OF COMMER Patent and Trademark Of ONLY
To the Director of the U. S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
I. Name of Conveying Party(ies) Taichiro NISHIKAWA, Yoshihiro NAKAI	2. Name and address of receiving party(ies) Name: SUMITOMO ELECTRIC INDUSTRIES,
	Address: 5-33 Kitahama 4-chome,
Additional name(s) of conveying party(ies) attached? Yes No	Chuo-ku, Osaka-shi,
3. Nature of Conveyance/Execution Date(s)	Osaka, 510-0041 JAPAN
Execution Date(s): December 6, 2006, December 7, 2006	
(respectively)	
☐ Security Agreement ☐ Change of Name	
Joint Research Agreement	
Government Interest Assignment	1,2,2,
Executive Order 9424, Confrmatory License	11/631361
Other	Additional name(s) & address(es) attached? Yes 1
4. Application or patent number(s):	This document is being filed together with a new applic
A. Patent Application No(s).	B. Patent No(s).
704/2007 MKAYPAGH 00080124 500417 11631361	
FC:8021 40.00 DA Additional numbers attacts. 5. Name and address to whom correspondence concerning	6. Total number of applications and patents
FC:8021 40.00 DA Additional numbers attacted. 5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
FC:8021 40.00 DA Additional numbers attacted and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
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FC:8021 40.00 DA Additional numbers attacted and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account
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FC:8021 40.00 DA Additional numbers attacts. 5. Name and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W.	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account
FC:8021 40.00 DA Additional numbers attacted and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting tit
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FC:8021 40.00 DA Additional numbers attacted and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096 Phone Number: 202.756.8000 Fax Number: 202.756.8087	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting tit
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FC:8021 40.00 DA Additional numbers attacted and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096 Phone Number: 202.756.8000 Fax Number: 202.756.8087	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting tit 8. Payment Information: a. Credit Card Last 4 Numbers Expiration Date
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Additional numbers attacts. Name and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096 Phone Number: 202.756.8000 Fax Number: 202.756.8087 Email Address:	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting tit 8. Payment Information: a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 500417
Additional numbers attacts. Name and address to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096 Phone Number: 202.756.8000 Fax Number: 202.756.8087 Email Address: 9. Signature. Stephen A. Becker, Registration No. 26,527 Name and Registration No. of Person Signing	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting tit 8. Payment Information: a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 500417 Authorized User Name

PATENT

REEL: 020008 FRAME: 0233

Docket No.:	•
ASSI	GNMENT
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(1) Taichiro NISHIKAWA (2) Yoshihiro NAKAI (3) (4)	(5) (6) (7)
who have made a certain new and useful invention, hereby sell, ass	ign and transfer unto
Sumitomo Electric Industries, Ltd. of 5-33 Kitahama 4-chome, Chu	
	the entire right, title and interest for the United States of America a
(a) for which an application for United States Letters Patent w. No; or	as filed on, and identified by United States Seria
(b) for which an application for United States Letters Patent w	as executed on
continuations-in-part thereof, and the right to all benefits under the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigned in said application shall hereafter act on behalf of said ASSIGNEE.	
assigns and legal representatives and without further remuneration	est, and to render all necessary assistance in making application for and fithe United States, upon request of the said ASSIGNEE, its successors, in an to any improvements, and applications for patent based thereon, any papers by the said ASSIGNEE, its successors, assigns and legal d title in and to the invention hereby transferred.
SIGNED on the dated indicated aside our signatures:	*
INVENTORS	DATE SIGNED
1) Janhiro Lishikawa Name: Taichiro NISHIKAWA 2) Yoshihiro Mahai	December 7, 2006
Name: Yoshihiro Nakai Name: Yoshihiro Nakai Name: Mahai	December 7, 2006
Name: 1	
Name: 5)	
Name:	
Name: 7)	

PATENT REEL: 020008 FRAME: 0234

RECORDED: 10/24/2007