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PAGE 09

JUN 15 2009

VER SHEET 10.3564266	Form PTO-1595 (Rev. 07/05) 06 - 19 - 2009	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office			
Name of conveying party(ies) Yuki NiryAMA, Selikon YOSHIDA, Hiroshi KAMBAYASHI, Takekiko NOMURA, Masayuki IWAMI, Shinya GOTOMO. Internal Address: LECTRIC CO., LTD. Letrenal Address: Lectric		VER SHEET			
YUNI NITYAMA, Selicit YOSHIDA, Hisuspi In AMAIN, Shrinys OTOMIO. Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Name: THE FURUKAWA ELECTRIC CO., LTD. Internal Address: Navigation of Date(s)					
Hiroshi KAMBAYASHI, Takahiko NOMURA, Masayuki IWAMI, Shinya OOTOMO. Additional name(s) of conveyance/Execution Date(s): Execution Date(s)May 13, 14, 15, 27, 2009 Assignment	• •				
Street Address: 2-3 Marunouchi 2-chome Security Date(s)	Hiroshi KAMBAYASHI, Takehiko NOMURA,				
Assignment	Additional name(s) of conveying party(ies) attached? Yes 🗹 No				
Assignment	3. Nature of conveyance/Execution Date(s):	Street Address: 2-3 Marunouchi 2-chome			
Security Agreement	Execution Date(s) May 13, 14,15, 27, 2009				
Joint Research Agreement Government Interest Assignment Country: _Japan Zip: _100-8322		City: Chlyoda-ku			
Government Interest Assignment Executive Order 9424, Confirmatory License Other		State: Tokyo			
Executive Order 9424, Confirmatory License Other	<u> </u>				
4. Application or patent number(s): A. Patent Application No.(s) 12/382,941 Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: KUBOTERA & ASSOCIATES, LLC Internal Address: Street Address: City: ALEXANDRIA State: VA Phone Number: 703-684-9777 Fax Number: 703-684-1390 Email Address: 9. Signature: Kazunso Kuboters This document is being filed together with a new application. B. Patent No.(s) 8. Patent No.(s) 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 title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name Signature Oer/15/2009 Date Total number of pages including covery others and incuments.	Executive Order 9424, Confirmatory License	Country: Japan Zip: 100-8322			
4. Application or patent number(s): A. Patent Application No.(s) 12/382,941 Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: KUBOTERA & ASSOCIATES, LLC Internal Address: Street Address: City: ALEXANDRIA State: VA Phone Number: 703-684-9777 Fax Number: 703-684-1390 Email Address: 9. Signature: Kazunso Kuboters This document is being filed together with a new application. B. Patent No.(s) 8. Patent No.(s) 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 title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name Signature Oer/15/2009 Date Total number of pages including covery others and incuments.	Other	Additional name(s) & address(es) attached? Yes No			
Involved: Name: KUBOTERA & ASSOCIATES, LLC Internal Address: Intern	12/382,941				
Internal Address: Authorized to be charged by credit card Authorized to be charged to deposit account	5. Name and address to whom correspondence concerning document should be mailed:				
Internal Address:	Name: KUBOTERA & ASSOCIATES, LLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00			
Street Address: 200 DAINGERFIELD ROAD, SUITE 202 Street Address: 200 DAINGERFIELD ROAD, SUITE 202 Signature	Internal Address:	Authorized to be charged by credit card			
State: VA Zip: 22314 Phone Number: 703-684-9777 Fax Number: 703-684-1390 Email Address: O6/15/2009 Signature: O6/15/2009 Signature Total number of pages including cover that attachments and documents:	Street Address: 200 DAINGERFIELD ROAD, SUITE 202				
State: VA Zip: 22314 Phone Number: 703-684-9777 Fax Number: 703-684-1390 Email Address: O6/15/2009 Signature: O6/15/2009 Signature Total number of pages including cover that attachments and documents:	City: ALEXANDRIA				
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9. Signature: Signature O6/15/2009	Fax Number: 703-684-1390	'			
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Signature Date Kazunao Kubotera Total number of pages including cover about attackments and documents:	9. Signature: Status	06/15/2009			
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Maille Oi Pelson Oighnig	Kazunao Kubotera Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PAGE 9/15 * RCVD AT 6/15/2009 11:17:06 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/7 * DNIS:2738300 * CSID:7036841390 * DURATION (mm-ss):04-26

06/16/2009 PSOUVANN 00000012 12382941 95 FC:8021 **PATENT**

REEL: 022847 FRAME: 0952

JUN 1 5 2009

			At	torney Reference	KC-1090		
	assignment	OF APPLICATION	FOR UNITED	STATES LETTERS	PATENT		
WHERE	AS Yuki NIIY/	AMA, Seikon YOSH	IIDA, Hiroshi KA	MBAYASHI, Takel	hiko NOMURA, Masayuki		
hereinafter refe	WAMI, and Shinva OOTOMO hereinafter referred to collectively as the assignor, has invented a certain improvement relating to						
Instrument; sai [X] said application who insert here in application who in said application who is sa	d application to cation having be authorizat TERA & ASSOC parentheses (A en known; cation having be	be filed in the Unite en filed in the Unite ion being hereby gi CIATES, LLC, Suite	d States Patent d States Patent ven to my attor 2 202, 200 I o.) 12/382,94 atent Cooperati	and Trademark Of and Trademark Of and Trademark Of neys, Kazunao Kongerfield Road American application Treaty on	ffice on, (ubotera and William H. Alexandría, VA 22314, to on serial number of said		
AND WHE	REAS THE	FURUKAWA ELEC	TRIC Co. Ltd.				
	Of 2-	3 Marunouchi 2-ch	ome, Chiyoda-k	u, Tokyo, 100-832:	2 JAPAN		
	Of						
Nereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, releases and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, releases and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all each patents when granted, including any and all renewals, reissues and prolongations thereof, and baseignee, and said assignee is successors and assigns, in as ample and beneficial a manner as the said assigner might or could have held and enjoyed the same, if this assignment had not been made. AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors and assignee or said patents, including any and all renewals, reissues and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to s							
	EXECUTED,	\$/	<u>t</u>	. 20	009		
WITNESS:			ASSIGNOR:		•		
Signature:	Jakogo	Hagiusra	Signature: _	Gushi Thing	ama		
	<i>U</i> .		Name:	Yuki NIIYAMA			

PAGE 10/15 * RCVD AT 6/15/2009 11:17:06 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/7 * DNIS:2738300 * CSID:7036841390 * DURATION (mm-ss):04-26

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 2 of 2

	EXECUTED,	27.	May	. 2009
WITNESS: Signature:			ACCICNOD.	Masatoshi Afada Lega Seikoh YOSHIDA
WITNESS: Signature: _	EXECUTED,		ASSIGNOR:	Throshi Kambayorshin
WITNESS: Signature: _	EXECUTED, _		ASSIGNOR: Signature:	7ahehiho Nomura Takehiko NOMURA
WITNESS: Signature: _	Jaken /	logiwaro	5/14 ASSIGNOR: Signature: Name:	Massyuki Twami Massyuki TWAMI
	EXECUTED, _	0	Signature:	Shinya Otlomo Shinya OOTOMO
KUBOTERA (& associates, li	LC		

PAGE 11/15 * RCVD AT 6/15/2009 11:17:06 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/7 * DNIS:2738300 * CSID:7036841390 * DURATION (mm-ss):04-26

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JUN 1 5 2009

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I and THE FURUKAWA have an advisory agreement. THE FURUKAWA is an assignee of the patent application.

Image of Legal counsel of FURUKAWA Date

One of Legal counsel of FURUKAWA Date

PAGE 12/15 * RCVD AT 6/15/2009 11:17:06 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/7 * DNIS:2738300 * CSID:7036841390 * DURATION (mm-ss):04-26

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Manaton Go Akada 104 Tan 13009
Signature of Legal counsel of FURUKAWA Date

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