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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tetsuro NAGAMI	02/04/2011
Manami HAMADA	02/04/2011
Tadashi KAMIMURA	02/04/2011

RECEIVING PARTY DATA

Name:	Mitsubishi Electric Corporation		
Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku		
City:	Токуо		
State/Country:	JAPAN		
Postal Code:	100-8310		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13061726

CORRESPONDENCE DATA

Fax Number: (703)205-8050

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

Phone: 703-205-8000 Email: twyatt@bskb.com

Correspondent Name: Birch, Stewart, Kolasch & Birch, LLP

Address Line 1: P.O. Box 747

Address Line 4: Falls Church, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	1163-0879PUS1		
NAME OF SUBMITTER:	Chad J. Billings		

Total Attachments: 2

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PATENT

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ATTORNEY DOCKET NO. 1163-0879PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Applicati	ion No.	13/061,726		Filed	March 2, 2011
Insert Name(s) of Inventor(s)		***(Give	n Name FAMILY NAME (ALL CAPS))***	-	
		NAGAMI	of c/o Mitsubishi Electric Engineering Company	, Limited,	Tokyo, Japan
	Manan	ni HAMADA	of c/o Mitsubishi Electric Corporation, Tokyo		-
		·····	of c/o Mitsubishi Electric Engineering Company		Tokyo, Japan
Insert Title of Invention	-	_	e undersigned) has (have) invented certain new and use	_	ments in
		an application for the case of a provis	r Letters Patent of the United States of America has sional application).	been execu	ated by the undersigned
Insert Date of Signing of Application	on	February 4,	2011		; and
Insert Name of Assignee	WHERE	AS, <u>Mitsubishi</u>	Electric Corporation		
				·····	
Insert Address of Assignee	of <u>7-3</u>	, Manunouchi 2-	chome, Chiyoda-ku, Tokyo 100-8310 Japan		
CHECK BOX IF APPROPRIATE	the entire therefor in in any		presentatives and assigns (hereinafter designated as the erest in and to said invention and in and to any Let of America and		
AT KOTKITE	NOW, THe of which assigned a right to the right, title	is hereby acknow and transferred, and e said invention in and interest in and	sideration of the sum of Ten Dollars (\$10.00) to the undedged, and other good and valuable consideration by these presents does sell, assign and transfer unto a the United States of America, its territories, dependend to any and all Letters Patent(s) which may be grantendencies and possessions, and if the box above is	, the under said Assigns scies and po ted therefor	signed has (have) sold, we the full and exclusive ssessions and the entire in the United States of
	and to any	and all divisions	reissues continuations conversions and extensions f	hereof for th	ne full term or terms for

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which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	February 4, 2011,	Name of Inventor	Tetouro	nagami	
					Tetsuro NAGAMI
Date	February 4, 2011 ,	Name of Inventor	Manami	Hamada	
				(signature)	Manami HAMADA
Date	February 4, 2011,	Name of Inventor	Tadashi	Kamimuta	•
			-	(signature)	Tadashi KAMIMURA
Date		Name of Inventor			
				(signature)	
Date	,	Name of Inventor			
				(signature)	
Date		Name of Inventor			
				(signature)	
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November 2005