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Form PTO-1595 (Rev. 03-05)

OMB No. 0651-0027 (exp. 6/30/2005) United States Patent and Trademark Office 103177078 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) Kenta HATANO (11/14/2005) and Sotsuo Mitsubishi Denki Kabushiki Kaisha MIYOSHI (11/14/2005) Internal Address: Additional name(s) of conveying party(ies) attached? x No Street Address: 3. Nature of conveyance/Execution Date(s): 7-3, Marunouchi 2-chome, Chiyoda-ku Tokyo Execution Date(s): in parentheses after inventor name 100-8310 JAPAN x Assignment Merger Change of Name Security Agreement Joint Research Agreement City: Government Interest Assignment State: Executive Order 9424, Confirmatory License Zip: Country: Additional name(s) & address(es) Yes x 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) NEW 02/08/2006 MKAYPAG# 00000084 10567121-Additional numbers attached? 5. Name and address to whom correspondence 6. Total number of applications and 1 concerning document should be mailed: patents involved: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Internal Address: Atty. Dkt.: 1163-0543PUS1 Authorized to be charged by credit card Street Address: 8110 Gatehouse Road Authorized to be charged to deposit account Suite 100 East P.O. Box 747 Enclosed None required (government interest not affecting title) City: Falls Church 8. Payment Information Zip: 22040-0747 State: a. Credit Card Last 4 Numbers (703) 205-8000 **Expiration Date** Phone Number: Fax Number: (703) 205-8050 Deposit Account Number **Authorized User Name** effrægge falkt.com Email Address: 9. Signature: February 3, 2006

Signature

Michael K. Mutter - 29,680

Name of Person Signing

MKM/smt

3

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ATTORNEY DOCKET NO. 1163-0543PUS1

ASSIGNMENT

		Application No	NEW		Filed 02-03-06
Insert Name(s) of Inventor(s)	=	WHEREAS,_	Kenta HATANC	and Sotsuo MIYOSHI	, both residing
.,	•		at Tokyo, Jar	oan	
		(hereinafter designate			new and useful improvements in
Insert Title of Invention	nesk.	•	_	E FOR MOTOR"	•
		DEMING NO.			
		for which an application			a has been executed by the undersigned
nsert Date of Signing of Application		Norrombo	~ 14 2005		
	BER)	on <u>Novembe</u>	•		; and
nsert Name of Assignee		WHEREAS,	MITSUBISE	II DENKI KABUSHIKI	KAISHA
nsert Address of Assignee	725	7-3, Marur	ouchi 2-chome	Chiyoda-ku, Tokyo 10	0-8310 Japan
CHECK BOX FAPPROPRIATE	•		right, title and inter for in the United S	est in and to said invention a	ignated as the Assignee) is desirous of nd in and to any Letters Patent(s) that
					(\$10.00) to the undersigned in hand

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

and if the box above is designated, in any and all foreign countries;

has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions,

PATENT REEL: 017553 FRAME: 0383 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional 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 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 agreements.

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 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	November 14, 20,05	Name of Inventor	Kenta HATANO	
			Kenta HATANO	(signature)
Date	November 14, 2005	Name of Inventor	Sotsuo Miyoshi	
	•		Sotsuo MIYOSHX	(signature)
D-+-		Name of Inventor		
Date		Name of inventor_		(signature)
Date		Name of Inventor_		
				(signature)
Date		Name of Inventor		
Date	,			(signature)
Date		Name of Inventor_		
				(signature)

RECORDED: 02/03/2006

PATENT REEL: 017553 FRAME: 0384