

Atty. Docket No.: 1190-0513P

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SHEET

<u>k</u> 101853;	313 SHEET 2				
	ner of Patents and Trademarks:				
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)				
MICHIMORI, Atsushi	Name: Mitsubishi Denki Kabushiki Kaisha				
TAKESHIMA, Masaaki 0/18/0/	Internal Address:				
	Street Address: 2-3, Marunouchi 2-chome, Chiyoda-ku				
Additional name(s) of conveying party(ies) attached?	City: TOKYO State: ZIP:				
☐ YES ☒ NO	Country: JAPAN Postal Code: 100-8310				
3. Nature of conveyance:	Additional name(s) & address(es) attached? YES NO				
	Indicate the first terms of the second control of the second contr				
☐ Security Agreement ☐ Change of Name					
Other:					
Execution Date: August 31, 2001					
4. Application number(s) or patent number(s):	954096				
If this document is being filed together with a new application, il	he execution date of the application is: August 31, 2001				
A. Patent Application No(s).	B. Patent No.(s).				
NEW					
Additional numbers attached	ched? YES NO				
5. Name and address of party to whom correspondence	6. Total No. of applications/patents involved: ONE (1)				
concerning document should be mailed:	7. Total fee (37 C.F.R. § 3.41): \$40.00				
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	⊠ Enclosed				
Street Address: P.O. BOX 747	Authorized to be charged to deposit account,				
City: FALLS CHURCH State: VA ZIP: 22040-0747	if no fee attached.				
Country: USA	8. Deposit account number: 02-2448				
•	(Attach triplicate copy of this page				
	if paying by deposit account)				
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9. Statement and signature.					
	information to true and correct and any attached copy is a true				
copy of the original document.	\M/				
All /C	September 18, 2001				
Michael K. Mutter, #29,680 Name of Person Signing/Reg. No.	Signature September 18, 2001 Date				
/					
Total number of pages including cover she	eet, attachments, and document: THREE (3)				

MKM/sll

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ATTORNEY DOCKET NO. 1190–0513P

ASSIGNMENT

		Application No.	NEW	_			Filed Sept.	18,	<u>20</u> 0
Insert Name(s) of Inventor(s)	→	WHEREAS,	Atsushi	Michimori	and Masaak:	Takeshima	1		
nsert Title of Invention	->	(hereinafter designa		_	ve) invented certai		-	in	
		for which an applica	tion for Letters	Patent of the Ur	nited States of Ame	rica has been ex	ecuted by the v	ındersig	ned
nsert Date of Signing of Application	→	on Augu	st 3 1, 200	1				; a	ınd
nsert Name of Assignee	-	WHEREAS,	Mitsub	ishi Denki	Kabushiki k	aisha			
nsert Address of Assignee	→	of <u>2-3, Mar</u> u	nouchi 2-c	home, Chiy	oda-ku, TOKY	O 100-8310	JAPAN		
CHECK BOX F APPROPRIATE		its heirs, successors acquiring the entirmay be granted the in any and all fo	e right, title and refor in the Un	d interest in and lited States of A	l to said invention				
		NOW, THER paid, the receipt of the has (have) sold, as Assignee the full a dependencies and which may be grant and if the box abo	which is hereby a signed and tra- nd exclusive rig possessions and ed therefor in t	acknowledged, and by the said is the said is the said is the entire righthe United State	by these presents invention in the it, title and intere is of America, its to	d valuable considudes sell, assign does sell, assign United States of st in and to any erritories, depen	deration, the ur n and transfer f America, its and all Letters	ndersign unto s territor s Paten	ned said ries, t(s)

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for

which the same may be granted.

PATENT REEL: 12176 FRAME: 0970

ATTORNEY DOCKET NO. 1190-0513P

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 August 31, 2001,	Name of Inventor	Atsushi	Michimori	
,			(signature)	Atsushi Michimori
Date August 31, 2001,	Name of Inventor	Masaaki	Takeshima	
,		•	(signature)	Masaaki Takeshima
Date,	Name of Inventor			
			(signature)	
Date,	Name of Inventor			
Date,	Name of inventor		(signature)	
	Name of Inventor			
Date,	Name of filventor		(signature)	
	NI CI			
Date,	Name of Inventor		(signature)	

RECORDED: 09/18/2001

PATENT REEL: 12176 FRAME: 0971