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0.	PATENTS ONLY 103533025					
	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)				
-	Yoshihiro NISHIDA (09/25/2008), Masayuki TSUJI (09/25/2008), Isao OTSUKA (09/25/2008), Reiko OKADA (09/30/2008), and	Name: Mitsubishi Electric Corporation				
۴.	Additional name(s) of conveying party(ies) attached? X Yes No	Street Address:				
	3. Nature of conveyance/Execution Date(s):	7-3, Marunouchi 2-chome, Chiyoda-ku				
	Execution Date(s): in parentheses after inventor name	Tokyo				
		-   100-8310   JAPAN				
	Security Agreement Joint Research Agreement	City:				
	Government Interest Assignment	State:				
	Executive Order 9424, Confirmatory License	Country: Zip:				
	Other	Additional name(s) & address(es) Yes X No				
		- attached:				
	4. Application or patent number(s):					
	A. Patent Application No.(s)	B. Patent No.(s)				
	A. Patent Application No.(s) NEW	B. Patent No.(s)				
		B. Patent No.(s)				
	NEW					
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter	1? Yes X No 6. Total number of applications and 1				
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH,	I? Yes X No 6. Total number of applications and 1 patents involved: 1				
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP	I? Yes X No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00				
	Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0925-0270PUS1	I? Yes X No 6. Total number of applications and 1 patents involved: 1				
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0925-0270PUS1 Street Address: 8110 Gatehouse Road	I? Yes X No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00				
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0925-0270PUS1 Street Address: 8110 Gatehouse Road Suite 100 East	I?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   \$40.00     Authorized to be charged by credit card				
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0925-0270PUS1 Street Address: 8110 Gatehouse Road	1?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   \$ 40.00     Authorized to be charged by credit card     X   Authorized to be charged to deposit account     Enclosed				
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0925-0270PUS1 Street Address: 8110 Gatehouse Road Suite 100 East	I?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   40.00     Authorized to be charged by credit card     X   Authorized to be charged to deposit account				
	NEW Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0925-0270PUS1 Street Address: 8110 Gatehouse Road Suite 100 East	1?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   \$ 40.00     Authorized to be charged by credit card     X   Authorized to be charged to deposit account     Enclosed				
	Additional numbers attached 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0925-0270PUS1 Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747	1?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   40.00     Authorized to be charged by credit card     X Authorized to be charged to deposit account     Enclosed     None required (government interest not affecting title)				
	NEW     Additional numbers attached     5. Name and address to whom correspondence concerning document should be mailed:     Name:   Michael K. Mutter     BIRCH, STEWART, KOLASCH & BIRCH, LLP     Internal Address: Atty. Dkt.: 0925-0270PUS1     Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747     City:   Falls Church	1?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   40.00     Authorized to be charged by credit card     X Authorized to be charged by credit card     Enclosed     None required (government interest not affecting title)     8. Payment Information				
	NEW     Additional numbers attached     S. Name and address to whom correspondence concerning document should be mailed:     Name:   Michael K. Mutter     BIRCH, STEWART, KOLASCH & BIRCH, LLP     Internal Address: Atty. Dkt.: 0925-0270PUS1     Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747     City:   Falls Church     State:   VA     Zip:   22040-0747	I?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   40.00     Authorized to be charged by credit card     X   Authorized to be charged by credit card     Enclosed   None required (government interest not affecting title)     8. Payment Information   a. Credit Card				
	NEW     Additional numbers attached     S. Name and address to whom correspondence concerning document should be mailed:     Name:   Michael K. Mutter     BIRCH, STEWART, KOLASCH & BIRCH, LLP     Internal Address: Atty. Dkt.: 0925-0270PUS1     Street Address: 8110 Gatehouse Road     Suite 100 East     P.O. Box 747     City:   Falls Church     State:   VA     Zip:   22040-0747     Phone Number:   (703) 205-8000	1?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   40.00     Authorized to be charged by credit card     X   Authorized to be charged by credit card     Enclosed   None required (government interest not affecting title)     8. Payment Information   a. Credit Card     Last 4 Numbers				
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	NEW     Additional numbers attached     S. Name and address to whom correspondence concerning document should be mailed:     Name:   Michael K. Mutter     BIRCH, STEWART, KOLASCH & BIRCH, LLP     Internal Address: Atty. Dkt.: 0925-0270PUS1     Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747     City:   Falls Church     State:   VA     Zip:   22040-0747     Phone Number:   (703) 205-8000     Fax Number:   (703) 205-8050     Email Address:   Methodometholsekb.com	17   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00   40.00     Authorized to be charged by credit card   X Authorized to be charged by credit card     X   Authorized to be charged to deposit account     Enclosed   None required (government interest not affecting title)     8. Payment Information   a. Credit Card     a. Credit Card   Last 4 Numbers     Expiration Date				
	NEW     Additional numbers attached     S. Name and address to whom correspondence concerning document should be mailed:     Name:   Michael K. Mutter     BIRCH, STEWART, KOLASCH & BIRCH, LLP     Internal Address: Atty. Dkt.: 0925-0270PUS1     Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747     City:   Falls Church     State:   VA     Zip:   22040-0747     Phone Number:   (703) 205-8000     Fax Number:   (703) 205-8050     Email Address:   Publicoprig/battb.com     9. Signature:   VA	I?   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41)   40.00     Authorized to be charged by credit card     X   Authorized to be charged by credit card     X   Authorized to be charged to deposit account     Enclosed   None required (government interest not affecting title)     8. Payment Information   a. Credit Card     a. Credit Card   Last 4 Numbers     Expiration Date   Deposit Account Number     02-2448   Authorized User Name     Michael K. Mutter   October 20, 2008				
	NEW     Additional numbers attached     5. Name and address to whom correspondence concerning document should be mailed:     Name:   Michael K. Mutter     BIRCH, STEWART, KOLASCH & BIRCH, LLP     Internal Address: Atty. Dkt.: 0925-0270PUS1     Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747     City:   Falls Church     State:   VA     Zip:   22040-0747     Phone Number:   (703) 205-8000     Fax Number:   (703) 205-8050     Email Address:   Detroome batb.com     9. Signature:   Signature	17   Yes   X No     6. Total number of applications and patents involved:   1     7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00     Authorized to be charged by credit card     X Authorized to be charged by credit card     X 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   02-2448     Authorized User Name   Michael K. Mutter				
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PATENT REEL: 021787 FRAME: 0449

Form PTO-1595	RECO	RDATION FORM COVER SHEET (continued)				
Additional Conve	eying Party(ies)/Exe	cution Date(s) (1. Continued):				
Kiyoshi MATSUTAN	II (09/30/2008)					
Additional Assign	nees (2. Continued)	:				
Assignee Name:						
Internal Address:						
Street Address:						
City:	State:	Country:	Zip:			
Assignee Name:						
Internal Address:						
Street Address:						
City:	State:	Country:	Zip:			
Assignee Name:						
Internal Address:		·				
Street Address:						
City:	State:	Country:	Zip:			
Additional Applications and/or Patents (4. Continued):						
Additional Patent Application Numbers 4A. Continued:		Additional Patent Numbers 4B, Continued:				
TA, COMINCO.						
	Additional number	s attached?				

Docket No.: 0925-0270PUS1

ATTORNEY DOCKET NO. 0925-0270PUSI

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## ASSIGNMENT

Application No.

Filed <u>10/20/03</u>

Insert Name(s) of Inventor(s) ***(Given Name FAMILY NAME (ALL CAPS))***

WHEREAS, Yoshihiro NISHIDA; Masayuki TSUJI; Isao OTSUKA; Reiko OKADA; and Kiyoshi MATSUTANI (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention

## MANIPULATION INPUT DEVICE

NEW

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

on 09/25/08;	09/25/08;	09/25/08;	09/30/08	and ; and
09/30/0	8; respect	tively		

#### WHEREAS, Mitsubishi Electric Corporation

of 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-8310, JAPAN

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

### in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignce the full and exclusive right to the said invention in the United States of America, its territorics, 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, and if the box above is designated, in any and all foreign countries;

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

Insert Date of Signing of Application Insert Nume of Assignce Insert Address of Assignce

CHECK BOX

Birch, Stowart, Kolasch & Birch, LLP

Page 1 of 2

MKM/scp

PATENT REEL: 021787 FRAME: 0451

#### Attorney Docket No. 0925-0270PUS1

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 Assignce 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 Assignce 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 forcign patent(s) to the Assignce and to vest all rights therein hereby conveyed to said Assignce 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 Assignce 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).

eptember 25, 2008

mber 25, 2008.

September 30, 2008.

Date September 30, 2008.

Name of Inventor <u>Hoshikiro</u> Mishida (signature) Yoshikiro NISHIDA

Name of Inventor

Masayuki Tsuji (signature) Masayuki TSUJI

Name of Inventor <u>1020</u> (signature) Isao O

Name of Inventor

Name of Inventor Kiyoshi Imataulane (signature) Kiyoshi MATSUTANI

Birch, Stewart, Kolasch & Birch, LLP

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PATENT REEL: 021787 FRAME: 0452

## **RECORDED: 10/20/2008**