Docket No.: 60188-330 102425841 To the Honorable Commissioner for Patents and Trademarks. Please record the attached original documents or copy thereto:	FORM PTO-1596 1-31-92	RE .		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto: 1. Name of Conveying Party(ies): Hiroyuki DOI Additional name(s) of conveying party(ies) attached? Yes Additional name(s) of conveying party(ies) attached? Yes Additional name(s) of conveying party(ies) attached? Yes Additional name(s) of conveying party(ies) attached? Yes Additional name(s) of conveying party(ies) attached? Yes Additional name(s) of conveying party(ies) attached? Yes Additional name(s) & address(es) attach	Docket No.: 60188-330	10	2425841	ratem and Trademark Office
Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	To the Honorable Commissioner for			nal documents or copy thereto:
Additional name(s) of conveying party(ies) attached?	 Name of Conveying Party(ies): Hiroyuki DOI 	4.11.03		
Merger Gecurity Agreement Change of Name) attached? Yes	Kadoma-shi,	PTC #
Security Agreement	•	Margar	Osaka 371-0301 3	SATAN SET
Additional name(s) & address(es) attached?	Security Agreement			11033 u
4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: April 9, 2003 A. Patent Application No(s). Additional numbers attached?	Execution Date: April 9, 2003			
If the document is being filed together with a new application, the execution date of the application is: April 9, 2003 A. Patent Application No(s). Additional numbers attached?			Additional name(s) & address(e	es) attached? Yes
A. Patent Application No(s). Additional numbers attached?	4. Application number(s) or patent number	er(s):		
Additional numbers attached? Yes 5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Additional numbers attached? Yes 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$40.00 Authorized to be charged to deposit account number: 500417 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 April 11, 2003 Name and Registration No. of Person Signing Signature Date Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)		with a new application	1	ion is: April 9, 2003
Additional numbers attached? ☐ Yes 5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: Otiv: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Name and Registration No. 0851-0011 (exp. 4/94) 1/2003 6TDN11 00000018 500417 10411268	A. Patent Application No(s).	~ ~	B. Patent No(s).	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: 600 13 th Street, N.W. City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing April 11, 2003 Signature Dotal number of applications and patents involved: 7. Total fee (37 CFR 3.41) Enclosed Authorized to be charged to deposit account solutions. 8. Deposit account number: 500417 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing April 11, 2003 Signature Date Total number of pages comprising cover sheet: 1	10411	267		
Concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing No. 0851-0011 (exp. 4/94) No. 0851-0011 (exp. 4/94) Name and Registration 00000018 500417 10411268		Additional num	bers attached?	
Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: 600 13 th Street, N.W. Street Address: 600 13 th Street, N.W. City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Name and Registration No. 0f Person Signing April 11, 2003 Name and Registration No. 0851-0011 (exp. 4/94)	5. Name and address of party to whom co	rrespondence	6. Total number of application	s and patents involved:
Internal Address: Street Address: 600 13 th Street, N.W. City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Name and Registration No. of Person Signing CMB No. 0851-0011 (exp. 4/94) 1/2003 5T0M11 00000018 500417 10411268	concerning document should be mailed:			
Street Address: 600 13th Street, N.W. City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)	Name: MCDERMOTT, WILL & EM	MERY	7. Total fee (37 CFR 3.41)	\$40.00
Street Address: 600 13 th Street, N.W. City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Fotal number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)	Internal Address:		☐ Enclosed	
City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)			Authorized to be charge	ed to deposit account
City: Washington State: DC Zip: 20005 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)	Street Address: 600 13 th Street, N.W.		8. Deposit account number:	
DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)			500417	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)	City: Washington State: DC	Zip: 20005		
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94) A/2003 GTON11 00000018 500417 10411268		DO NOT U	JSE THIS SPACE	
Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94) A/2003 GTDN11 00000018 500417 10411268	9. Statement and signature.			
Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94) A/2003 GTDN11 00000018 500417 10411268	To the best of my knowledge and	belief, the foregoing i	eformation is true and correct and	any attached copy is a true copy
Michael E. Fogarty, 36,139 Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: CMB No. 0851-0011 (exp. 4/94) A/2003 GTON11 00000018 500417 10411268)	
Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: CMB No. 0851-0011 (exp. 4/94) 1/2003 GTON11 00000018 500417 10411268				
Name and Registration No. of Person Signing Signature Total number of pages comprising cover sheet: CMB No. 0851-0011 (exp. 4/94) 1/2003 GTON11 00000018 500417 10411268	Michael E. Fogarty, 36,139			April 11, 2003
Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94) 1/2003 GTON11 00000018 500417 10411268	Name and Registration No. of Person Sign	ning	Signature	
CMB No. 0851-0011 (exp. 4/94) 1/2003 GTON11 00000018 500417 10411268		, (1	ng cover sheet:
	CMB No. 0851-0011 (exp. 4/94)			
	21/2003 GTDN11 00000018 500417 1041126	8		
SEMANY PARA MIT)		
	MENUTA INEVO GII			

PATENT REEL: 013966 FRAME: 0992

Attorney	Docket	No.	
----------	--------	-----	--

ASSIGNMENT

	WHI	REAS, Hiroyuki DOI	
here	inafter o	signated as the undersigned) has (have) invented certain new and useful improvem	ents
n	35H)	HONDICTER DEVICE AND REPURD FOR FABRICATURE THE SAME	
or w	hich the	undersigned has (have):	
	(a)	filed an application for Letters Patent of the United States of America on	
		having Serial No; or	
	(b)	executed an application for Letters Patent of the United States of America on date(s) indicated below; and	the
	WHE	REAS, Matsushita Electric Industrial Co., Ltd.	of
006	, Oaza	adoma, Kadoma-shi, Osaka 571-8501, Japan	
lesir	ous of a	essors, legal representatives and assigns (hereinafter designated as the Assigned quiring the entire right, title and interest in and to said invention and in and to (s) that may be granted therefor in the United States of America;	

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) 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 do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

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 any continuation, division or reissue thereof or Letters 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.

PATENT REEL: 013966 FRAME: 0993 The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under 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 patent(s) to the Assignee and to vest all rights therein hereby conveyed to the 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 Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby convenants 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.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: <u>40r11 0, 2003</u> ,	Hiroyuki Doi
,	Hiroyuki DOI
Date:,	
Date:	

PATENT REEL: 013966 FRAME: 0994