

FORM PTO-1595 (modified)

05-24-2006



U.S. DEPARTMENT OF COMMERCE

E	5/19/06	TRADEM	P/	103243356	Patent and Trademark Office			
Tot	To the Honorable Assistant Secretary and Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof.							
1.	Name of conveying party(	ies):		2. Name and address of receiving	party(ies):			
1) Masami YAMAMICHI (Heir for deceased inventor Masato YAMAMICHI), 2) Satomi YAMAMICHI (Heir for deceased				Name: Matsushita Electric Ind	ustrial Co., Ltd.			
	inventor Masato YAMAM			Street Address: 1006, Oaza Ka				
for deceased inventor Masato YAMAMICHI), 4) Yuichi FUTA, 5) Motoji OHMORI, 6) Makoto TATEBAYASHI			•	Osaka 571-850	1 Japan			
	itional name(s) of conveying par	ty(ies) attached? No		Additional name(s) & address(es) attached	? No			
3.	Nature of conveyance:				_			
	X Assignment Security Agreement Other Execution Date: Septembe		e of Name					
	Application number(s) or p			•	7.7.4.0.000			
16.	1. t	1 4 41 41	1:4: 41					
	A. Patent Application N	•	application, the exe	cution date of the application is:  B. Patent No.(s)				
	10/725,102, filed Dec			B. Tatent No.(3)				
			Additional number	rs attached? No				
	Name and address of party document should be mailed		ence concerning	6. Total number of applications ar	nd patents involved: 1			
]	Name: <u>WENDEROTH, L.</u> Attn: Jeffrey R. Filip		<u>P.</u>	7. Total fee (37 CFR 3.41)				
:	Street Address: 2033 K St	reet, N.W., Suite 800		X Enclosed (Check No. Authorized to be charged to				
(	City: Washington, State: 1	DC ZIP: 20006-1021		8. Deposit account number: 23-09	<u>975</u>			
			DO NOTIVODO	(Attach duplicate copy of this page if p	aying by deposit account)			
			DO NOT USE T	THIS SPACE				
9.	Statement and signature.  Fo the best of my knowledge	and belief, the foregoing	g information is true	ng correct and any attached copy is a tru	e copy of the original document.			
	leffrey R. Filipek, Reg. No.4 Name of Person Signing	<u>1,471</u>	Silgnature	May 19, 2 Date	2 <u>006</u>			
OME	3 No. 0651-0011 (exp. 4/94)		102/	Total number o	f pages including cover sheet: 3			
OIVIL	5 No. 0031-0011 (exp. 4/94)		Do not detach	this portion				
Mail documents to be recorded with required cover sheet information:								
Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231								
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including an expression of the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burded estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.								
				7/Ame	2602 47404			

**PATENT REEL: 017913 FRAME: 0164** 

## **ASSIGNMENT**

Matsushita Ref: P 032594-01	Application Serial No. <u>10/725,102</u>						
Japanese Firm Ref: FP-03104-US		US Firm Ref:					
WHEREAS, the undersigned has (have) invented the invention entitled:							
Box 1		Property Property Comment Comm					
Title of Invention:							
KEY AGREEMENT SYSTEM, SHARED-KEY GENERATION AF	PPARATUS, AND SHARE	D-KEY RECOVERY APPARATUS					
,							
1, For use when signing Declaration prior to filin	g U.S. patent application (check	only one box below)					
(a)□ for which an application for U.S. patent has been executed by the undersigned concurrently herewith, or							
(b) for which an application for U.S. patent has been executed on the following date(s):  (if the Declaration and Assignment are signed on the same day, check (a) and make no entry in the blank; if the Declaration was signed before this Assignment, enter the date(s) on which you signed the Declaration)							
(c)□ for which an International Application has been filed as:  (for the PCT-US national entry, check only (c) and enter PCT application number in the right)	PCT Application No.	and,					
2. For use when signing Declaration after filing U.S. patent application							
(d) of for which an application for U.S. patent has been filed on:	Application Filing Date	December 2, 2003 and,					

WHEREAS, Matsushita Electric Industrial Co., Ltd. of 1006, Oazakadoma, Kadoma-shi, Osaka 571-8501, JAPAN, its heirs, successors, legal representatives and assigns (hereinafter designated as "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.

NOW, THÉREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations-in-part and reissues thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights of priority created by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, reissues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder, in the United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all litigations regarding, or for the purpose of protecting the right, title and interest in and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee and hereby covenants that the undersigned has (have) full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

The undersigned hereby does sell, assign and transfer unto said Assignee the full and exclusive authority for revoking power of attorney(s) executed by the undersigned in connection with this application and for appointing a new power of attorney in place thereof.

The undersigned hereby grant(s) the Assignee and the appointed U.S. patent attorneys and agents 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 Office for recordation of this document. The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively.

The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

Box2	(Each Inventor, please Sign and Date bel	ow)	
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Masami YAMAMICHI (Heir for deceased inventor Masato YAMAMICHI)	Macami Gamamichi	Sep 10, 2005
(2)	Satomi YAMAMICHI (Heir for deceased inventor Masato YAMAMICHI)	satoni yanamichi	SeP 10.2005
(3)	Keiko YAMAMICHI (Heir for deceased inventor Masato YAMAMICHI)	Keiko Yamumichi	Sep 10. 2008
(4)	Yuichi FUTA	Znichi Futo	Sep 10, 1005

Check if additional paper(s) is/are attached. Total of 2 pages are submitted.

PATENT REEL: 017913 FRAME: 0165

## ASSIGNMENT (Cont., Page 2 of 2)

watsushita Rei. P 032594-01			Application Serial No. 10/725, 102				
Japane	se Firm Ref: <u>FP-03104-US</u>	US Firm Ref:					
Additional Inventors:							
Box2 (	Continued)	ar an hair an an Air an					
	(e) First Name, Last Name	(f) Signature	(g) Date signed				
(5)	Motoji OHMORI	Class Chair.	Sp 10, 2005				
(6)	Makoto TATEBAYASHI	Makoto Tatebayashi	Sep 10, 2005				
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□Check if additional paper(s) is/are attached. Total of 2 pages are submitted.

PATENT REEL: 017913 FRAME: 0166

**RECORDED: 05/19/2006**