PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mitsuru Takami	06/29/2009

RECEIVING PARTY DATA

Name:	Panasonic Corporation	
Street Address:	1006, Oaza Kadoma	
City:	Kadoma-shi, Osaka	
State/Country:	JAPAN	
Postal Code:	571-8501	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29338323

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 9353/930 (D5438-01)

NAME OF SUBMITTER: Tadashi Horie

Total Attachments: 1

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PATENT

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REEL: 022958 FRAME: 0183

·			Assignm	ent Form 3.0 (Oct. 2008)			
Panasonic Ref*: D5438-01 Application Serial No. 29/3				338,323			
diagonic rice i							
Japan Firm Name: US Firm Name*: Brinks Hofer Gilson & (*must be filled)	Lione	US Firm Ref: _	9353/9	930			
	ASSIGN	MENT					
WHEREAS, the undersigned has (have) invented the							
Box 1							
	TELEVISION						
		S. patent application (check only					
(a)□ for which an application for U.S. patent ha	as been executed t	by the undersigned concu	rrently herew	ith, or			
(b) for which an application for U.S. patent ha	as been executed on the no entry in the blank: if the	n the following date(s):_ Declaration was signed before this Assig	nment, enter the date(s) on which you signed the Declaration)			
(c) for which an International Application has (for the PCT-US national entry, check only (c) and enter PCT application	been filed as:	PCT Application No.	_	and,			
2. For use w	hen signing Declaration	after filing U.S. patent application	on				
(d)図 for which an application for U.S. patent ha	as been filed on:	Application Filing Date	June	9,2009 and,			
WHEREAS, Panasonic Corporation of 1006.	Oaza Kadoma, Kad	oma-shi, Osaka 571-8501. J	APAN, and				
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to Now, THEREFORE, 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(s) 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, convisionals, 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 this application and any and all Related Applications thereof, all papers necessary in connection with this application and providence and proceeding with such interference, and for any and all Related Applications reparding, or for the purpose of protecting the right, interest in and to said invention, this application and any and all Related Applications reparding, or for the purpose of protecting the right, a							
Box2 (Each Inventor, please Sign and Date be	elow)	(f) Cianata	· · · · · · · · · · · · · · · · · · ·	(a) Date signed			
(e) First Name, Last Name	· · · · · · · · · · · · · · · · · · ·	(f) Signature		(g) Date signed Month, Date, Year			
Mitsuru Takami	h	Tahun		Jun 29.09 Month, Date, Year			
(2)				0			
(3)				Month, Date, Year			
(4)		,		Month, Date, Year			

PATENT REEL: 022958 FRAME: 0184

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

RECORDED: 07/15/2009