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31 (D151961-0)



**RECORDATION FORM
PATENTS O**

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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): MITSURU TAKAMI TOMOHIRO OHBA Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and Address of receiving Party(ies): Name: Panasonic Corporation Internal Address: Street Address 1006, Oaza Kadoma City Kadoma-shi Prefecture Osaka Country Japan Postal code 571-8501 Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance/Execution Date(s): Execution Date(s) <u>February 14, 2011</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other. _____			
4. Application or Patent Number(s) <input checked="" type="checkbox"/> This document is being filed together with a new application A Patent Application No.(s) Not yet assigned		B Patent No.(s) Not yet assigned Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: BRINKS HOFER GILSON & LIONE PO BOX 10395 CHICAGO, IL 60610 Phone: (312) 321-4200 Fax (312) 321-4299		6. Total no. of applications & patents involved: <u>1</u> 7. Total Fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorize charge by credit card <input checked="" type="checkbox"/> Authorize charge to Deposit Account No 23-1925 <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
		8. Payment Information: a <input type="checkbox"/> Credit Card Last 4 Numbers Expiration Date b <input checked="" type="checkbox"/> Charge fee and/or any Deficiencies to Deposit Account Number 23-1925 Authorized User Name Brinks Hofer Gilson & Lione	
9. Signature: <u></u> Signature <u>Tadashi Horie</u> Name of Person Signing		<u>February 14, 2011</u> Date Total no. of pages including coversheet, attachments and documents <u>2</u>	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450
02/24/2011 HTON11 00000007 231925 29372994
01 FC:8021 40.00 DA

Panasonic Ref*: D151961-01

Application Serial No. Not yet assigned

Japan Firm Name: _____

Japan Firm Ref: _____

US Firm Name*: Brinks Hofer Gilson & Lione
(* must be filled)

US Firm Ref: 9353/1081

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:

Box 1		
Title of Invention: TELEVISION APPARATUS		
1. For use when signing Declaration prior to filing U.S. patent application (check only one box below)		
(a) <input checked="" type="checkbox"/> for which an application for U.S. patent has been executed by the undersigned concurrently herewith, or		
(b) <input type="checkbox"/> for which an application for U.S. patent has been executed on the following date(s): _____, or <small>(if Declaration & 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)</small>		
(c) <input type="checkbox"/> for which an International Application has been filed as: <small>(for the PCT-US national entry, check only (c) and enter PCT application number in the right)</small>	PCT Application No. _____	and, _____
2. For use when signing Declaration after filing U.S. patent application		
(d) <input type="checkbox"/> for which an application for U.S. patent has been filed on:	Application Filing Date _____	and, _____

WHEREAS, Panasonic Corporation of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, JAPAN, and _____

its/their heirs, successors, legal representatives and assigns (hereinafter designated as "Assignee(s)") is/are 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, 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, 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(s) 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(s), and also to execute separate assignments in connection with such applications as the Assignee(s) 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(s) and to vest all rights hereby conveyed to the Assignee(s) 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(s) 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(s) 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(s) 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 below)			
	(e) First Name, Last Name	(f) Signature	(g) Date signed <small>Month, Date, Year</small>
(1)	Mitsuru Takami	高見 清	2.14.2011
(2)	Tomohiro Ohba	大場 智博	2.14.2011
(3)			<small>Month, Date, Year</small>
(4)			<small>Month, Date, Year</small>

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

PATENT