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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKESHI MATSUMOTO	01/27/2012

RECEIVING PARTY DATA

Name:	Panasonic Corporation		
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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	13404189		

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Kazuko NAKAGAWA

Total Attachments: 1

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PATENT REEL: 028284 FRAME: 0512 CH \$40.00 134041

						gnment Form 4.0 (Feb. 2011)	
Panas	onic Ref*:	P597109-01	Application Serial No. (8/404/89				
Japan	Firm Name:	IPSC		Japan Firm Ref	: <u>P</u>	597109 - 0	
US Fir	m Name*:	PPC		US Firm Ref: _	P59	7109-01	
			ASSIGN	NMENT			
	EAS, the undersig	ned has (have) invented					
Box 1 Title of	f Invention:						
	ONDUCTOR DEV	/ICE					
		1. For use when signing	Declaration prior to filing L	I.S. patent application (check on	ly one bax bel	low)	
(a)■ fo	or which an app	lication for U.S. paten	t has been executed	by the undersigned conc	urrently hei	rewith, or	
				on the following date(s):_ c Declaration was signed before this Assi	gnment, enter the	, Or date(s) on which you signed the Declaration)	
(c)□ f	or which an Inte	ernational Application 1 Theck only (c) and enter PCT applic	nas been filed as:	PCT Application No.	i i	and,	
		2. For us	se when signing Declaration	after filing U.S. patent application	рл 1		
(d)□ f	or which an app	lication for U.S. paten	t has been filed on:	Application Filing Date		and,	
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 appl							
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)							
		ame, Last Name		(f) Signature		(g) Date signed	
(1)	Takeshi	MATSUMOTO	Takeshi 1	<i>datsumoto</i>		Jan. 27, 2012	
(2)						Month, Date, Year	

□Check if additional paper(s) is/are attached. Total of __1_ page is submitted.

PATENT REEL: 028284 FRAME: 0513

Month, Date, Year

Month, Date, Year

(3)

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