505197434 11/19/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ATSUSHI TANI	11/16/2018

RECEIVING PARTY DATA

Name:	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.		
Street Address:	treet Address: 1-61, SHIROMI 2-CHOME, CHUO-KU		
City: OSAKA-SHI, OSAKA			
State/Country:	JAPAN		
Postal Code:	540-6207		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	29670656	

CORRESPONDENCE DATA

Fax Number: (312)321-4299

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 312-321-4200

Email: kawilliams@brinksgilson.com, usassignments@brinksgilson.com

Correspondent Name: TADASHI HORIE/KAORI WILLIAMS

Address Line 1: P.O. BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	9353/1471 (D1023536US01)		
NAME OF SUBMITTER:	TADASHI HORIE		
SIGNATURE:	/Tadashi Horie/		
DATE SIGNED:	11/19/2018		

Total Attachments: 1

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PATENT 505197434 REEL: 047543 FRAME: 0623

				Assignment Foun 3.0 (Oct. 2000	
Panasoi	Panasonic Ref*: <u>D1023536US01</u>		Application Serial No	Application Serial No. Not yet assigned	
Japan Fi	irm Name:		Japan Firm Ref:		
US Firm	Name*: <u>Brinks Gilson & Lione</u>		US Firm Ref: 93 5	3/1471	
	\S, the undersigned has (have) invented t	ASSIG!			
Box 1 Title of Ir	nvention: UNS	OLICITED CALL	BLOCKING DEVICE		
	1. For use when signing	Declaration prior to filing L	i S. palent application (check only one box	Brigassi	
(a)⊠ for	r which an application for U.S. patent				
(b)□ for	which an application for U.S. patent that it is same day check (it) and	has been executed o	n the following date(s):	Of	
(c)□ for	which an International Application ha	s been filed as:	DOTA CLE N		
*****	CT-US national entry, check only (c) and enter PCT applicable 2. F8F US	ie when signing Declaratio	after filing U.S. patent application		
(d)□ for	r which an application for U.S. patent	has been filed on:	Application Filing Date	and	
WHEREA	S, Panasonic Intellectual Property Ma	nagement Co., Ltd., o	I 1-61, Shiromi 2-chome, Chuo-ku, C	Jsaka-shi, Osaka 540-6207, JAPAA	
legally bor interest in United States and patent ap reexamins in all coun this application and to sa relating the as the Ass The patents, to hereby co executed, The underfurther ide The United States and the sate of the undersign the sate of the undersign the case of the undersign	VITNESS WHEREOF, executed by the un	esents, does sell, assign States of America, its to states of America, its to states of America, its to state of America of	and transfer unto said Assignee(s) the pritories, dependencies and possess patent application and any and all response to the properties of as "Related Applications"), along we all Letters Patent(s), including all as use for past and future infringement cition with this application and any anconnection with claims or provisions by inconnection with claims or provisions by inconnection with any interference that the Assignee(s) in every way are regarding, or for the purpose of plans or Letters Patent(s) therefore, at its to execute separate assignments be necessary to obtain a grant of a assignee(s) as fully and entirely as the period or any and all Related Application or any	ne entire and exclusive right, title ansions (hereinafter designated as the lated patent application(s) disclosing art and reissues thereof in the Unite the all rights of priority created by this enewals, extensions, reissues and thereunder, in the United States and the International Convention for a which may be declared concerning possible in obtaining and producing the right, title and interest in a connection with such applications walld United States and any foreign as same would have been held by the ign countries, whose duty is to issue ons thereof to said Assignee(s) and that the undersigned has (have) no rity for revoking power of attorney(see thereof. Were to insert on this assignment are fice for recordation of this document ly and collectively, he appropriate jurisdiction within the	
80x2 (I	Each Inventor, please Sign and Date be	slow)	(A. Cinnatura		
(1)	(e) First Name, Last Name Atsushi TANI	THAI.	(f) Signature	(g) Date signed	
(2)		- COM	euu Jun	Month, Date, Year	
(3)				Month, Date, Year	
ļ				Month, Date, Year	

 $\label{eq:check-if-additional-paper} \ensuremath{\square} \text{Check if additional paper(s) is/are attached. Total of } \underline{\hspace{1cm}} \text{pages are submitted.}$

RECORDED: 11/19/2018

PATENT REEL: 047543 FRAME: 0624