504524704 08/29/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAFUMI ITOH	08/02/2017
SHINICHI KAKEFUDA	08/02/2017
HISASHI IROKAWA	08/02/2017

RECEIVING PARTY DATA

Name:	HITACHI KOKI CO., LTD.		
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City:	MINATO-KU, TOKYO		
State/Country:	JAPAN		
Postal Code:	108-6020		

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	29615450				

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NAME OF SUBMITTER:	ROBERT S. KATZ
SIGNATURE:	/Robert S. Katz/
DATE SIGNED:	08/29/2017

Total Attachments: 1

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PATENT 504524704 REEL: 043438 FRAME: 0645

ASSIGNMENT

		(1)	Takafumi	ITOH		(5)			
(1-8) Insert		(2)	Shinichi K	AKEFUDA		(6)			
	Name(s) of Inventor(s)	(3)	Hisashi IR	OKAWA	((7)			
		(4)							
			In consideration	on of the sum of one ersigned, the undersi	dollar (\$1.0	0) and other ge	ood and valuable	considerat	ions paid to
(9)	Insert Name of Assignee	(9)	НІТАСНІ К	OKI CO., LTD.					
(10)	Insert Address of Assignee	(10)	15-1, Konan 2-chome, Minato-ku, Tokyo 1086020, Japan						
			as defined in 35 provisional, non-	gnated as the Assigne 5 U.S.C. §100, in the provisional, divisional ns, reissues and reexa	invention, a	and in all appli n, substitute, a	cations for paten nd reissue applic	nt including ation(s), an	any and al d all Letters
(11) insert Identification of Invention			PORTABLE	ELECTRIC PO	WER SAN	IDER			
	such as Title, Case Number, or Foreigr Application Numbe	1	(Attorney Dock	24 N/A	****************	***************************************		***************************************	
	Approacion resimo	•	(Attorney Docket No. for which the undersigned has (have) executed an application for patent in the United States of America						
(12)	Insert Date of Signing of Application	(12)	on	August 2	-, 201	7			
(13) Alternative (1			U.S. application	Serial Number					
	Identification for filed applications		filed						
application any app Assigner claims of reexamilistrates in full right herewith identification.	applications for the ir- ions and patents as th 2) The undersigned lication or continuatior e in every way possibl 3) The undersigned or provisions of the Inte 4) The undersigned nation a grant of a vali 5) The undersigned esulting from said app to convey the entire ir 1. 6) The undersigner ation which may be n ion of this document.	nventione Assistance Asistance Assistance Assistance Assistance Assistance Assistance As	in, and any pater gnees may deem (s) to execute all vision thereof, or a chairing evidence (s) to execute all nat Convention foe(s) to perform a ed States patent by authorize(s) and herein assigned, eby grant(s) the ary or desirable	necessary. papers necessary in my patent or reissue a and going forward with papers and documer r Protection of Industral affirmative acts white the Assignee. If request(s) the Communication of the Assignee and that he has (they firm of Banner & V	and also to connection application be such interfints and perfit all Property eich may be missioner of of the entire have) not extracted.	execute separa with any interfer used thereon, for erence. orm any act who or similar agreed necessary to o Patents to issue interest, and h executed, and with the power to of the United to	rence which may be necessisted assignments in the invention, are ich may be necessisted and all Lette ereby covernants. If not execute, are insert on this a States Patent an	n connection be declared nd to cooper ssary in con- r confirm br ers Patents of that he has y agreement assignment	on with such disconcerning rate with the mection with y reissue o of the United (they have ets in conflict any further
Date	i.	2	, 2017	Name of Inventor		Lafam mi ITOH	Itah		(SEAL)
Date	· Augus	t	2,2017	Name of Inventor	Shinich	Much 11 KAKEFU	DDA JOA		(SEAL)
Dat∈	<u>August</u>	2. 2	2017	Name of Inventor		azhi i IROKAN	L NOKO	wa_	(SEAL)

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