505102619 09/19/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PART	Υ DATA			
		Name	Execution Date	
TOSHIYA KUNO			08/29/2018	
HIROKAZU TANIGL	JCHI		08/29/2018	
YUICHI NISHIMURA	Ą		08/30/2018	
RECEIVING PARTY	/ DATA			
Name: CASIO COMPUTER CO., LTD.				
Street Address:	6-2, H	ON-MACHI 1-CHOME		
City:	SHIBU	ΊΥΑ-ΚՍ, ΤΟΚΥΟ		
State/Country:	JAPAN	1		
Postal Code:	151-85	43		
Property Type		Number		
Application Numbe	er:	16136214		
	CE DATA fill be sent to r, if provide	16136214 o the e-mail address first; if that is uns d; if that is unsuccessful, it will be sen (212)319-4900 akulkarni@hhpatent.com HOLTZ, HOLTZ & VOLEK PC 630 NINTH AVENUE, SUITE 1010 NEW YORK, NEW YORK 10036		
CORRESPONDENC Fax Number: <i>Correspondence w</i> <i>using a fax number</i> Phone: Email: Correspondent Nar Address Line 1:	CE DATA vill be sent to r, if provided me:	o the e-mail address first; if that is uns d; if that is unsuccessful, it will be sen (212)319-4900 akulkarni@hhpatent.com HOLTZ, HOLTZ & VOLEK PC 630 NINTH AVENUE, SUITE 1010 NEW YORK, NEW YORK 10036		
CORRESPONDENC Fax Number: <i>Correspondence w</i> <i>using a fax number</i> Phone: Email: Correspondent Nar Address Line 1: Address Line 4:	CE DATA vill be sent to r, if provide me: T NUMBER:	o the e-mail address first; if that is uns d; if that is unsuccessful, it will be sen (212)319-4900 akulkarni@hhpatent.com HOLTZ, HOLTZ & VOLEK PC 630 NINTH AVENUE, SUITE 1010 NEW YORK, NEW YORK 10036		
CORRESPONDENC Fax Number: <i>Correspondence w</i> <i>using a fax number</i> Phone: Email: Correspondent Nar Address Line 1: Address Line 4:	CE DATA vill be sent to r, if provide me: T NUMBER:	o the e-mail address first; if that is uns d; if that is unsuccessful, it will be sen (212)319-4900 akulkarni@hhpatent.com HOLTZ, HOLTZ & VOLEK PC 630 NINTH AVENUE, SUITE 1010 NEW YORK, NEW YORK 10036 18396		
CORRESPONDENC Fax Number: Correspondence w using a fax number Phone: Email: Correspondent Nar Address Line 1: Address Line 4: ATTORNEY DOCKE	CE DATA vill be sent to r, if provide me: T NUMBER:	o the e-mail address first; if that is uns d; if that is unsuccessful, it will be sen (212)319-4900 akulkarni@hhpatent.com HOLTZ, HOLTZ & VOLEK PC 630 NINTH AVENUE, SUITE 1010 NEW YORK, NEW YORK 10036 18396 AMIT KULKARNI		

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Combined Declaration and Assignment				
Title of Invention	KEY UNIT AND	KEYBOARD INSTRUMEN	TV	
As the belo	w named inventor, I he	reby declare that:		
This declara	o: [] United	ttached application, or I States application or PCT ir er filed on	nternational application	
The above-	identified application w	as made or authorized to be	made by me.	
l believe the application.	at I am the original inve	ntor or an original joint inven	tor of a claimed invention in the	
including al under or pu intellectual I authorize	l divisions, reissues, co irsuant to any and all in property, including righ said Assignee to file ar	ontinuations, substitutions an iternational agreements, trea its of priority, resulting from th	vention, in all countries of the world, d extensions thereof and all rights arising titles or laws relating to the protection of he filing of any of said applications.	
invention to			sue potents, to issue any paterit on said	
invention to l agree that communica testify in ar application	ite to said Assignee or iy legal proceeding, sig s, make all rightful oath	its representatives all facts k n all lawful papers, execute a	It the expense of said Assignee, I will nown to me respecting said invention and all divisional, continuing, reissue, or other erally do everything possible to aid said	
Invention to communica testify in ar application Assignee to I hereby ac	Ite to said Assignee or by legal proceeding, sig s, make all rightful oath b obtain and enforce pr knowledge that any wil	its representatives all facts k n all lawful papers, execute a is and declarations, and gene oper patent protection for sai	It the expense of said Assignee, I will nown to me respecting said invention and all divisional, continuing, reissue, or other erally do everything possible to aid said id invention in all countries. this declaration is punishable under	
nvention to agree that communicatestify in ar application Assignee to I hereby ac	Ite to said Assignee or by legal proceeding, sig s, make all rightful oath b obtain and enforce pr knowledge that any wil	its representatives all facts k in all lawful papers, execute a is and declarations, and gene oper patent protection for sai liful false statement made in t	It the expense of said Assignee, I will nown to me respecting said invention and all divisional, continuing, reissue, or other erally do everything possible to aid said id invention in all countries. this declaration is punishable under 5) years, or both.	
Invention to communica testify in ar application Assignee to I hereby ac 18 U.S.C.	Ite to said Assignee or by legal proceeding, sig s, make all rightful oath b obtain and enforce pr knowledge that any wil	its representatives all facts k n all lawful papers, execute a is and declarations, and gene oper patent protection for sai liful false statement made in ment of not more than five (It the expense of said Assignee, I will nown to me respecting said invention and all divisional, continuing, reissue, or other erally do everything possible to aid said id invention in all countries. this declaration is punishable under 5) years, or both.	

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

PATENT REEL: 046917 FRAME: 0409

Combined Declaration and Assignment			
Title of nvention	KEY UNIT AND	KEYBOARD INSTRUMENT	
s the belo	w named inventor, I h	ereby declare that:	
This declar		attached application, or	
s directed	[] Unite	ed States application or PCT internation	onal application
The above-	identified application	was made or authorized to be made b	y me.
I believe th application	at I am the original inv	rentor or an original joint inventor of a	claimed invention in the
nominees,	hereinafter referred to) as "Assignee", my entire right title ar	PAN, its successors, assigns or nd interest in and to said invention, in all countries of the world
nominees, and in and including al under or pu intellectual	hereinafter referred to to all applications for Il divisions, reissues, o ursuant to any and all property, including rig said Assignee to file a	as "Assignee", my entire right, title ar patent and patents for said invention, i continuations, substitutions and extens international agreements, treaties or la phts of priority, resulting from the filing and prosecute an application or applica-	nd interest in and to said invention, in all countries of the world, sions thereof and all rights arising aws relating to the protection of of any of said applications.
nominees, and in and including al under or pu intellectual I authorize as the appl	hereinafter referred to to all applications for Il divisions, reissues, o ursuant to any and all property, including rig said Assignee to file a	as "Assignee", my entire right, title ar patent and patents for said invention, i continuations, substitutions and extens international agreements, treaties or la phts of priority, resulting from the filing	nd interest in and to said invention, in all countries of the world, sions thereof and all rights arising aws relating to the protection of of any of said applications.
nominees, and in and including a under or pu- intellectual I authorize as the appl invention to I agree tha communica testify in ar application	hereinafter referred to to all applications for an applications for arsuant to any and all property, including rig said Assignee to file a licant, and I request and said Assignee. t on request and without ate to said Assignee on y legal proceeding, si s, make all rightful oat	as "Assignee", my entire right, title ar patent and patents for said invention, i continuations, substitutions and extens international agreements, treaties or la phts of priority, resulting from the filing and prosecute an application or applica-	nd interest in and to said invention, in all countries of the world, sions thereof and all rights arising aws relating to the protection of of any of said applications. ations for patent for said invention ents, to issue any patent on said pense of said Assignee, I will me respecting said invention and onal, continuing, reissue, or other everything possible to aid said
nominees, and in and including a under or pu- intellectual I authorize as the appl invention to I agree tha communica testify in ar application Assignee to I hereby ac	hereinafter referred to to all applications for all divisions, reissues, oursuant to any and all property, including rig said Assignee to file a licant, and I request and b said Assignee. t on request and without ate to said Assignee on y legal proceeding, si s, make all rightful out b obtain and enforce p cknowledge that any w	b as "Assignee", my entire right, title ar patent and patents for said invention, is continuations, substitutions and extension international agreements, treaties or la phts of priority, resulting from the filing and prosecute an application or application my official whose duty it is to issue pate out further consideration, but at the exp r its representatives all facts known to ign all lawful papers, execute all division ths and declarations, and generally do.	nd interest in and to said invention, in all countries of the world, sions thereof and all rights arising aws relating to the protection of of any of said applications. ations for patent for said invention ents, to issue any patent on said pense of said Assignee, I will me respecting said invention and onal, continuing, reissue, or other everything possible to aid said tion in all countries.
nominees, and in and including a under or pu- intellectual I authorize as the appl invention to I agree tha communica testify in ar application Assignee to I hereby ac	hereinafter referred to to all applications for all divisions, reissues, oursuant to any and all property, including rig said Assignee to file a licant, and I request and b said Assignee. t on request and without ate to said Assignee on y legal proceeding, si s, make all rightful out b obtain and enforce p cknowledge that any w	b as "Assignee", my entire right, title ar patent and patents for said invention, i continuations, substitutions and extens international agreements, treaties or la phts of priority, resulting from the filing and prosecute an application or applica- my official whose duty it is to issue pate but further consideration, but at the exp r its representatives all facts known to ign all lawful papers, execute all division ths and declarations, and generally do proper patent protection for said invent willful false statement made in this declarations.	nd interest in and to said invention, in all countries of the world, sions thereof and all rights arising aws relating to the protection of of any of said applications. ations for patent for said invention ents, to issue any patent on said pense of said Assignee, I will me respecting said invention and onal, continuing, reissue, or other everything possible to aid said tion in all countries.
nominees, and in and including al under or pu- intellectual I authorize as the appl invention to I agree tha communica testify in ar application Assignee to I hereby ac 18 U.S.C.	hereinafter referred to to all applications for all divisions, reissues, oursuant to any and all property, including rig said Assignee to file a licant, and I request and b said Assignee. t on request and without ate to said Assignee on y legal proceeding, si s, make all rightful out b obtain and enforce p cknowledge that any w	as "Assignee", my entire right, title ar patent and patents for said invention, i continuations, substitutions and extens international agreements, treaties or la phts of priority, resulting from the filing and prosecute an application or applica my official whose duty it is to issue pate out further consideration, but at the exp r its representatives all facts known to ign all lawful papers, execute all division the and declarations, and generally do proper patent protection for said invent willful false statement made in this declaration on ment of not more than five (5) years	nd interest in and to said invention, in all countries of the world, sions thereof and all rights arising aws relating to the protection of of any of said applications. ations for patent for said invention ents, to issue any patent on said pense of said Assignee, I will me respecting said invention and onal, continuing, reissue, or other everything possible to aid said tion in all countries. laration is punishable under , or both.

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PATENT REEL: 046917 FRAME: 0410

Combined Declaration and Assignment				
Fitle of nvention	KEY UNIT AND	KEYBOARD INSTRUMENT		
As the belo	w named inventor, I he	reby declare that:		
This declar	and the second	ttached application, or		
S GILECTER	[] United	States application or PCT internation or PCT internation	onal application	
The above-	Identified application w	as made or authorized to be made b	y më.	
believe th application	at I am the original inve	ntor or an original joint inventor of a	claimed invention in the	
nominees, and in and ncluding a under or pu	nereinafter referred to a to all applications for p I divisions, reissues, co rsuant to any and all ir	ne, Shibuya-ku, Tokyo 151-8543, JA as "Assignee", my entire right, title au atent and patents for said invention, antinuations, substitutions and exten- aternational agreements, treaties or I ts of priority, resulting from the filing	nd interest in and to said invention, in all countries of the world, sions thereof and all rights arising aws relating to the protection of	
is the appl	said Assignee to file ar cant, and I request any said Assignee.	nd prosecute an application or applic / official whose duty it is to issue pat	ations for patent for said invention ents, to issue any patent on said	
communica testify in ar application	ite to said Assignee or y legal proceeding, sig s, make all rightful oath	It further consideration, but at the ex its representatives all facts known to n all lawful papers, execute all divisi s and declarations, and generally do oper patent protection for said inven	me respecting said invention and onal, continuing, reissue, or other everything possible to aid said	
l hereby ac	knowledge that any wil 001 by fine or imprisor	Iful false statement made in this dec iment of not more than five (5) years	laration is punishable under	
18 U.S.C.				
18 U.S.C.		LEGAL NAME OF INVENTOR		
18 U.S.C.	hi NISHIMURA		August 30.2018	

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> PATENT REEL: 046917 FRAME: 0411

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