503474028 09/10/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3520653

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOSHIHISA NABATA	08/19/2013
SATOSHI MIZUTA	08/19/2013
TOMOAKI MIYANO	08/19/2013
KIYOKAZU SATO	08/19/2013
AKIO KIHARA	08/19/2013
SHUN KAZAMA	08/19/2013
YASUHIRO KATAYAMA	08/19/2013

RECEIVING PARTY DATA

Name:	KYOCERA CORPORATION
Street Address:	6 TAKEDA TOBADONO-CHO, FUSHIMI-KU
City:	куото
State/Country:	JAPAN
Postal Code:	612-8501

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14850409

CORRESPONDENCE DATA

Fax Number: (703)390-1277

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: 703 390 9051

Email: info@sbpatentlaw.com

STUDEBAKER & BRACKETT PC **Correspondent Name:** 12700 SUNRISE VALLEY DRIVE Address Line 1:

Address Line 2: SUITE 102

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	005000-K00202
NAME OF SUBMITTER:	TIM L. BRACKETT, JR.
SIGNATURE:	/Tim L. Bracket, Jr./
DATE SIGNED:	09/10/2015

PAIENI REEL: 036534 FRAME: 0891 503474028

Total Attachments: 14
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PATENT REEL: 036534 FRAME: 0892



Title of Invention:	
ELECTRONIC DEVICE	
私は、以下に記名された発明者として、ここに下記 の通り宣言する:	As a below named inventor, I hereby declare that:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、□ 米国出願番号またはPCT国際出願番号は、□ であり、且つ□ の日に出願された出順(該当する場合)	The attached application, or United States application or PCT international application number
上記出願書(明細書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
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私は、ここでの宣誓または陳述において故意に偽り を述べた場合、合衆国法典第18巻第1001条に基づ き、罰金あるいは5年以下の懲役、または、両方の	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
懲罰を受けることを認める。	STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):
	The Declaration and Assignment for Patent and Design Applications is an accurate translation of the corresponding English language Declaration and Assignment for Patent and Design Applications Signature: Date: 11/15/2012

Page 1 of 2



The inventor declaration for said application is combined l	nerowith	
•••		
[X] said application to be filed in the United States Patent		
[] said application having been filed in the United States authorization being hereby given to the practitioners asso CUSTOMER NUMBER 78198 , to insert here in parenthe application serial number of said application when known;	ciated with <u>STUDEBAKER & BRACKETT PC's</u> ses (Application Serial No) the	
[] said application having been filed under the Patent Coc Serial No, the United State	pperation Treaty on, as s of America being designated.	
AND WHEREAS KYOCERA CORPORATION of 612-8501 JAPAN, hereinafter referred to as the assignee, interest in and to said application, including any and all divinvention and any and all patents which may be granted the prolongations thereof;	is desirous of acquiring the entire right, title and visions and continuations thereof, and in and to said	
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.		
AND said assignor hereby agrees to perform, upon successors or assigns, any and all acts relating to the obtany and all renewals, reissues and prolongations thereof.		
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.		
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.		
This combined Declaration and Assignment has to opposite the undersigned name.	peen executed by the undersigned on the date	
発明者氏名/ Legal Name of Inventor N	ABATA, Toshihisa	
	7/ Date August 19, 2013	



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	Signature: 2 11/15/2012 Date: 11/15/2012

Page 1 of 2



WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said applic	ation is combined herewith.	
[X] said application to be filed in the Ui	nited States Patent and Trademark Office;	
authorization being hereby given to the	the United States Patent and Trademark Office on, practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> or here in parentheses (Application Serial No) the sation when known;	
[] said application having been filed ur Serial No.	nder the Patent Cooperation Treaty on, , the United States of America being designated.	а

AND WHEREAS KYOCERA CORPORATION of 6 Takeda Tobadono-cho, Fushimi-ku, Kyoto 612-8501 JAPAN, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

発明者氏名/ Legal Name of Inventor	
)	MIZUTA, Satoshi
発明者の署名/ Signature	月付/ Date
7/5/19 /2	August 19, 2013



Title of Invention:	
ELECTRONIC DEVICE	
私は、以下に記名された発明者として、ここに下記 の通り宣言する:	As a below named inventor, I hereby declare that:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、□ 米国出願番号またはPCT国際出願番号は、□ であり、且つ□ の日に出願された出願(該当する場合)	The attached application, or United States application or PCT international application number
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The inventor declaration for said application is combined herewith.
[X] said application to be filed in the United States Patent and Trademark Office;
[] said application having been filed in the United States Patent and Trademark Office on, authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> <u>CUSTOMER NUMBER 78198</u> , to insert here in parentheses (Application Serial No) the application serial number of said application when known;
[] said application having been filed under the Patent Cooperation Treaty on, as Serial No, the United States of America being designated.
AND WHEREAS KYOCERA CORPORATION of 6 Takeda Tobadono-cho, Fushimi-ku, Kyoto 612-8501 JAPAN, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;
NOW , that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.
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発明者氏名/ Legal Name of Inventor MIYANO, Tomoaki
発明者の署名/ Signature ロア 中子 方 老仏 日付/ Date August 19 2012



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発明者氏名/ Legal Name of Inventor S	ATO, Kiyokazu
発明者の署名/ Signature 日本 本 日本 日	付/Date August 19, 2013



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発明者氏名/ Legal Name of Inventor KIHARA, Akio
発明者の署名/ Signature 上原、資訊 日付/ Date August 19, 2013



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	Date: <u>11/15/2012</u>

Page 1 of 2



WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application. The inventor declaration for said application is combined herewith. [X] said application to be filed in the United States Patent and Trademark Office; [] said application having been filed in the United States Patent and Trademark Office on, authorization being hereby given to the practitioners associated with STUDEBAKER & BRACKETT PC's CUSTOMER NUMBER 78198, to insert here in parentheses (Application Serial No._____ application serial number of said application when known; [] said application having been filed under the Patent Cooperation Treaty on ___ , the United States of America being designated. Serial No. AND WHEREAS KYOCERA CORPORATION of 6 Takeda Tobadono-cho, Fushimi-ku, Kyoto 612-8501 JAPAN, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals. reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made. AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof. AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith. The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document. This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

発明者氏名/ Legal Name of Inventor	
	KAZAMA, Shun
発明者の署名/ Signature Shun Korzama	F付/ Date August 19, 2013



Title of Invention:	
ELECTRONIC DEVICE	
私は、以下に記名された発明者として、ここに下記 の通り宣言する:	As a below named inventor, I hereby declare that:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、□ 米国出願番号またはPCT国際出願番号は、─ であり、且つ回 の日に出願された出願(該当する場合)	The attached application, or United States application or PCT international application number
上記出願書(明細書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
私は、本米国出願の請求範囲で記載された発明に対 する原発明者であるか、或いは、原共同発明者であ ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
私は、ここでの宣誓または陳述において故意に偽り を述べた場合、合衆国法典第18巻第1001条に基づ き、罰金あるいは5年以下の懲役、または、両方の	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
懲罰を受けることを認める。	STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):
	The Declaration and Assignment for Patent and Design Applications is an accurate translation of the corresponding English language Declaration and Assignment for Patent and Design Applications
	Signature; Date; 11/15/2012
	Dens. 11/10/2014



WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

improvement relating to the above identified t	pproduct.
The inventor declaration for said application is	s combined herewith.
[X] said application to be filed in the United S	tates Patent and Trademark Office;
authorization being hereby given to the practi	nited States Patent and Trademark Office on,tioners associated with <u>STUDEBAKER & BRACKETT PC's</u> in parentheses (Application Serial No) the when known;
[] said application having been filed under th Serial No, the	e Patent Cooperation Treaty on, as United States of America being designated.
612-8501 JAPAN, hereinafter referred to as t interest in and to said application, including a	DRATION of <u>6 Takeda Tobadono-cho, Fushimi-ku, Kyoto</u> he assignee, is desirous of acquiring the entire right, title and ny and all divisions and continuations thereof, and in and to said be granted therefor, including any and all renewals, reissues and
paid by said assignee to said assignor, the re assigns, sells and transfers to said assignee, exclusive right, title and interest in and to said thereof, and in and to said invention and any all renewals, reissues and prolongations there	One Dollar (\$1.00), and other good and valuable consideration ceipt of which is hereby acknowledged, said assignor hereby and said assignee's successors and assigns, the full and application, including any and all divisions and continuations and all patents which may be granted therefor, including any and sof; said assignee, and said assignee's successors and assigns, lication, including any and all divisions and continuations thereof,

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

or could have held and enjoyed the same, if this assignment had not been made.

and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

発明者氏名/ Legal Name of Inventor	KA	ATAYAMA, Yasuhiro
発明者の署名/ Signature 片 ル	泰宏	d/Date August 19, 2013