### 502310010 04/12/2013

### PATENT ASSIGNMENT

### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOSHIHISA NABATA	04/01/2013
SATOSHI MIZUTA	04/01/2013
TOMOAKI MIYANO	04/01/2013
KIYOKAZU SATO	04/01/2013
AKIO KIHARA	03/26/2013
SHUN KAZAMA	04/01/2013
YASUHIRO KATAYAMA	03/26/2013

### **RECEIVING PARTY DATA**

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

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13862333

### **CORRESPONDENCE DATA**

**Fax Number**: 7033901277

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

Address Line 2: SUITE 102

502310010

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER: 005000-K00072

REEL: 030210 FRAME: 0759

**PATENT** 

× \$40.00 13862333

NAME OF SUBMITTER:	Tim L. Brackett, Jr.
Signature:	/Tim L. Brackett, Jr./
Date:	04/12/2013
Total Attachments: 14 source=DEC_ASN#page1.tif source=DEC_ASN#page2.tif source=DEC_ASN#page3.tif source=DEC_ASN#page4.tif source=DEC_ASN#page5.tif source=DEC_ASN#page6.tif source=DEC_ASN#page7.tif source=DEC_ASN#page8.tif source=DEC_ASN#page9.tif source=DEC_ASN#page10.tif source=DEC_ASN#page11.tif source=DEC_ASN#page13.tif source=DEC_ASN#page13.tif source=DEC_ASN#page14.tif	

PATENT REEL: 030210 FRAME: 0760



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:
<ul><li>□ 添付された出願、あるいは、</li><li>□ 米国出願番号またはPCT国際出願番号は、</li><li>□ であり、且つ</li><li>□ の日に出願された出願(該当する場合)</li></ul>	The attached application, or United States application or PCT international application number filed on
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: <u>11/15/2012</u>

Page 1 of 2



· 1	• •	
The inventor declaration for said application	n is combined herewith.	
[X] said application to be filed in the Unite	d States Patent and Trademark Office;	
authorization being hereby given to the pra	united States Patent and Trademark Office on,actitioners associated with <u>STUDEBAKER &amp; BRACKETT PC's</u> ere in parentheses (Application Serial No) the on when known;	
[ ] said application having been filed under Serial No, tl	the Patent Cooperation Treaty on, as 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.		
AND said assignor hereby agrees successors or assigns, any and all acts rel any and all renewals, reissues and prolong	to perform, upon the request of said assignee, or said assignee's lating to the obtaining or to the asserting of said patents, including gations 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 As opposite the undersigned name.	ssignment has been executed by the undersigned on the date	
発明者氏名/ Legal Name of Inventor	Toshihisa NABATA	
発明者の署名/ Signature	目付/ Date	
在四位生	April 1, 2013	



Title of Invention:	
ELECTRONIC DEVICE	
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	Date. 11/15/2012



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[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 &amp; 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;		
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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 Satoshi MIZUTA		
発明者の署名/ Signature 日付/ Date April 1, 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:
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	Signature: 14/15/2012
	Date: <u>11/15/2012</u>



The inventor declaration for said application is combined herewith.		
[X] said application to be filed in the United States Patent and Trademark Office;		
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発明者氏名/ Legal Name of Inventor		
Tomoaki MIYANO		
発明者の署名/ Signature 1 日子 七書/ 日付/ Date April 1 2013		
「		



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発明者氏名/ Legal Name of Inventor Kiyokazu SATO		
発明者の署名/ Signature 日付/ Date April 1, 2013		



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発明者氏名/ Legal Name of Inventor	
Akio KIHARA	
発明者の署名/ Signature 日付/ Date	
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	Date: <u>11/15/2012</u>



The inventor declaration for said application is combined	d herewith.
[X] said application to be filed in the United States Pate	nt and Trademark Office;
[ ] said application having been filed in the United State authorization being hereby given to the practitioners ass CUSTOMER NUMBER 78198, to insert here in parenth application serial number of said application when know	sociated with <u>STUDEBAKER &amp; BRACKETT PC's</u> neses (Application Serial No) the
[ ] said application having been filed under the Patent C Serial No, the United Sta	ooperation Treaty on, as tes of America being designated.
AND WHEREAS KYOCERA CORPORATION 612-8501 JAPAN, hereinafter referred to as the assigne interest in and to said application, including any and all invention and any and all patents which may be granted prolongations thereof;	e, is desirous of acquiring the entire right, title and divisions and continuations thereof, and in and to said
NOW, that for and in consideration of One Dollar paid by said assignee to said assigner, the receipt of whassigns, sells and transfers to said assignee, and said a exclusive right, title and interest in and to said application thereof, and in and to said invention and any and all pate all renewals, reissues and prolongations thereof; said as to have, hold, exercise and enjoy the said application, including any and prolongations thereof, with all the rights, perfrom or appertaining thereto, for and during the term or including any and all renewals, reissues and prolongation and said assignee's successors and assigns, in as ampor could have held and enjoyed the same, if this assigns	assignee's successors and assigns, the full and on, including any and all divisions and continuations ents which may be granted therefor, including any and assignee, and said assignee's successors and assigns, cluding any and all divisions and continuations thereof, ay be granted therefor, including any and all renewals, owers, privileges and advantages in anywise arising terms of any and all such patents when granted, ons thereof, for the use and benefit of said assignee, ble and beneficial a manner as the said assignor might
AND said assignor hereby agrees to perform, u successors or assigns, any and all acts relating to the o any and all renewals, reissues and prolongations thereo	pon the request of said assignee, or said assignee's obtaining or to the asserting of said patents, including of.
AND said assignor authorizes and requests the Letters Patent on said application, and on any and all div said assignee's successors and assigns, in accordance	Commissioner of Patents and Trademarks to issue visions and continuations thereof, to said assignee, and herewith.
The undersigned hereby grants the law firm of son the Assignment portion of this combined Declaration be necessary or desirable in order to comply with the rurecordation of this document.	STUDEBAKER & BRACKETT PC the power to insert and Assignment any further identification which may lies of the U.S. Patent and Trademark Office for
This combined Declaration and Assignment has opposite the undersigned name.	s been executed by the undersigned on the date
発明者氏名/ Legal Name of Inventor	
NEW PART LOGIC PRINTED OF INTOINED	Shun KAZAMA
発明者の署名/ Signature	日付/ Date
Shun KAZAMA	April 1, 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:
<ul><li>□ 添付された出願、あるいは、</li><li>□ 米国出願番号またはPCT国際出願番号は、</li><li>□ であり、且つ</li><li>□ の日に出願された出願(該当する場合)</li></ul>	☐ 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: <u>11/15/2012</u>



**RECORDED: 04/12/2013** 

**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 having been filed in the United States Patent and Trademark Office;  [] said application having been filed in the United States Patent and Trademark Office on,	The second secon
[] 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 78/198), to insert here in parentheses (Application Serial No	The inventor declaration for said application is combined herewith.
authorization being hereby given to the practitioners associated with STUDEBAKER & BRACKETT PC's CUSTOMER NUMBER 78198. to insert here in parentheses (Application Serial No	[X] said application to be filed in the United States Patent and Trademark Office;
Serial No	authorization being hereby given to the practitioners associated with <u>STUDEBAKER &amp; BRACKETT PC's</u> <u>CUSTOMER NUMBER 78198</u> , to insert here in parentheses (Application Serial No) the
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 assigner, the receipt of which is hereby acknowledged, said assigner 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 assignee, and said herefor a said assignee in 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 and assigns, in as ample and beneficial a manner as the said assignee's successors and assigns, in accordance herewith.  The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the	[ ] said application having been filed under the Patent Cooperation Treaty on, as Serial No, the United States of America being designated.
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 assigner 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 desirab	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
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のpposite the undersigned name.  発明者氏名/ Legal Name of Inventor  Yasuhiro KATAYAMA  発明者の署名/ Signature	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
Yasuhiro KATAYAMA  發明者の異名/ Signature 1月付/ Date	
発明者の署名/ Signature 片 ム 赤	発明者氏名/ Legal Name of Inventor Yasuhiro KATAYAMA
	発明者の署名/ Signature 片 ム

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