PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yoshinobu HEMMI	08/27/2013
Hideaki OZAKI	08/27/2013
Hirotada TERANISHI	08/27/2013

RECEIVING PARTY DATA

Name:	OMRON CORPORATION
Street Address:	801, Minamifudodo-cho, Horikawahigashiiru
Internal Address:	Shiokoji-dori, Shimogyo-ku
City:	Kyoto-shi, Kyoto
State/Country:	JAPAN
Postal Code:	600-8530

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13949775

CORRESPONDENCE DATA

Fax Number: 8602860115

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 860-286-2929

Email: kgunter@cantorcolburn.com
Correspondent Name: CANTOR COLBURN LLP

Address Line 1: 20 Church Street Address Line 2: 22nd Floor

Address Line 4: Hartford, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	NYL0001US
NAME OF SUBMITTER:	Daniel F. Drexler
Signature:	/Daniel F. Drexler/

502491855 REEL: 031186 FRAME: 0036

OP \$40 00 13949775

Date:	09/11/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8 source=6TU7368#page1.tif source=6TU7368#page2.tif source=6TU7368#page3.tif source=6TU7368#page4.tif source=6TU7368#page5.tif source=6TU7368#page6.tif source=6TU7368#page7.tif source=6TU7368#page8.tif	

	#*************************************				
DECLARATION AND ASSIGNMENT FOR	Attorney Decket Number	NYLODO1US			
UTILITY OR DESIGN PATENT APPLICATION	First Named Inventor	Yoshinobu HEMMI			
(37 CFR 1.63)	COM	COMPLETE IF KNOWN			
	Application Number	13/949,775			
Declaration OR Declaration	Filing Date	2013/07/24			
Submitted Submitted after initial vith Initial Filing (surcharge	Art Unit				
Filing (37 CFR 1.16(f)) required)	Examiner Name				
	Tremitte Laure	A CONTRACTOR OF THE PROPERTY O			
BRUSH					
*					
And the second s	(Title of the Invention)				
As a below named inventor, I hereby declare that:		•			
This declaration is directed to:					
-					
☐ The attached application,					
OR		สอใกล้ก วาวซึ่			
United States Application Number or PCT In	ternational Application I	Number 13/949,775			
filed on 2013/07/24					
*		·			
The above-identified application was made or authorized to	o be made by me.				
I believe I am the original inventor or an original joint inven	ter of a plained formalism	to the equilibration			
t pellese i aut.rué original finaturot et su endinal loist luser	tor of a clarified invertion	iii the application.			
I hereby acknowledge that any willful false statement r	nade in this declaration	is punishable under 18 U.S.C. 1001 by fine or			
imprisonment of not more than five (6) years, or both.	L				
		•			
Authorization To Permit Access to Application by	y Participating Offices	·			
2.0					
If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent					
Office (JPO), the Korean Intellectual Property Office (KIPC property offices in which a foreign application claiming price	the World Intellectual P	roperty Office (WIPO), and any other intellectual			
I property offices in which a foreign application claiming price identified patent application. See 37 CFR 1.14(c) and (h).	This box should not be ch	recked if the applicant does not wish the EPO, JPO,			
KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above identified patent application is					
filed to have access to the above-identified patent applicat					
In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the					
above-identified patent application as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the					
above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.					
sphriogonit					
In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access					
to Application by Participating Offices.					

[Page 1]

Orderigations viologistates - pund or pendu research business				
correspondence to: M asi	e address sociated with stomer Number:	OR	Correspondence address below:	
Name	No. of the Control of			
Address	GARLAGA GODA V Al-volument and a second and a			
City	State		Zip	
Country	Telephone	Email		
Assignment of Patent	Application:			
hereby sell, assign, and transfer	-		•	
	OMRON CORPORATION			
having a principal place of busines	ss at			
801, Minamifudodo Kyoto-shi, Kyoto, 6	o-cho, Horikawahigashiiru, Shlok 600-8530 JAPAN	oji-dori, S	shimogyo-ku	
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continuation applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filled in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filling of said United States application;				
agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, vilhout charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reasonantions, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightfut oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof, and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and				
agreement affecting the rights an	successors, assigns, and legal representative and property herein conveyed has been made to seesed by the below named inventor(s).	s that no assig others by the	gnment, grant, mortgage, license, or other e undersigned, and that full right to convey the 	

[Page 2]

WARNING:

Pelitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a pelition or an application. If this type of personal information is included in documents submitted to the USPTO, pelitioner/applicant is advised that the record of a patent application so available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see ST CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records CEPARTMENT OF COMMERCE-PAT-7, System name: Patent Application File. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: Deposit Accounts and Electronic Punds Trensfer Profiles.

Legal Name of Sole or First Inventor:					
(Eg., Given Name (first and middle (if an	y)) and Family Name or Surname).			
Yoshinobu HEMMI					
Inventor's Signature Yoshir		Date	Aug. 27	, 20/3	
Residence: City	State	hahaanaanaanaanaana	Country		
Otsu-City	Shiga		JAPAN		
Mailing Address c/o Omron Corporation 801, Minamifudodo-cho, Horikawahig	ashiiru, Shiokoji-dori, Shimog	yo-ku	Anterior estatiska kilon malda apinanggaran na kalan a anna		
City	State	Zip	**************************************	Country	
Kyoto-shi	Kyoto	600-853	10	JAPAN	
Legal Name of Additional Joint Inventor, if any: (£g., Given Name (first and middle (if any)) and Family Name or Sumame) Hideaki OZAKi					
Inventor's Signature		Date	A-Vine minim kana mpinimininininininininininininininininin		
Residence: City	Siale		Country	THE COLUMN TWO IS NOT THE COLUMN TO THE COLUMN TWO IS NOT THE COLU	
Takatsuki-City	Osaka JAY		JAPAN.		
Malling Address					
c/o Omron Corporation 801, Minamifudodo-che, Horlkawahigashiiru, Shiokoji-dori, Shimogyo-ku					
City	State Zip Country				
Kyoto-shi	Kyoto 600-8530 JAPAN				

[Page 3]

Legal Name of Additional Joint Inventor, if any:				
(Eg., Given Name (first and middle (if any)) and Family Name or Surname)				
Hirotada TERANISHI				
Inventor's Signature	- A	Date	A	
Hirolada	Teraminhi State		August 27.	20/3
	State	:	Country	
Osaka-City	Csaka		JAPAN	
Mailing Address				
c/o Omron Corporation 801, Minamifudodo-cho, Horikawahiga	ashiiru, Shiokoji-dori, Shimogy	/o-ku		
City	State	Zip		Country
Kyoto-shi	Kyoto	600-853	0	JAPAN
Legal Name of Additional Joint inv $(\mathcal{L}_{\mathcal{E}},$ Given Name (first and middle (if any)		
Inventor's Signature		Date	<u>pakinin maanka min nakkakisin milikusi (ili</u> ati	013 hay (100 th) (100
Residence; City	I State	******	Country	
•				
Mailing Address				
		***********************	o-curiose, i supposi ancienta de un curio de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición dela composición de la composición dela composición del composición dela composición del	
City	State	Zip		Country
_				
Lagal Name of Additional Joint Inventor, if any:				
(E.g., Given Name (first and middle (if an)	()) and Family Name or Sumame)		:
Inventor's Signature		Date		
Residence: City	State	ANAMA NAKE KACUAN	Country	3
Mailing Address				
City	State	Zip		Country
				nin'i
Carrage Contract Cont		-4	***************************************	***************************************

[Page 4]

REEL: 031186 FRAME: 0041

	-	**************************************		
DECLARATION AND ASSIGNMENT FOR	Attomey Docket Number	NYL0001US		
UTILITY OR DESIGN PATENT APPLICATION	First Named Inventor	Yoshinobu HEMMI		
(37 CFR 1.63)	COMPLETE IF KNOWN			
hand	Application Number	13/949,775		
Declaration OR Declaration Submitted Submitted after initial	Filing Date	2013/07/24		
with Initial Filing (surcharge	Art Unit			
Filing (37 CFR 1.16(f)) required)	Examiner Name			
**nessournennnnntstottototototototototototototototo	60000000000000000000000000000000000000	10000000000000000000000000000000000000		
BRUSH				
		e de la companie de l		
	(Title of the Invention)			
As a below named inventor, I hereby declare that:		•		
This declaration is directed to:				
☐ The attached application,				
OR .				
United States Application Number or PCT Int	iamatianal Annlinatian I	13/949,775		
Now you through a	entranorran Johneanorra	4 ditipes		
filed on 2013/07/24				
There is a second of the secon	· · · · · · · · · · · · · · · · · · ·			
The above-identified application was made or authorized to	be made by me.			
I believe I am the original inventor or an original joint invent	or of a claimed invention i	n the application.		
I hereby acknowledge that any willful false statement n	rade in this declaration i	s punishable under 18 U.S.C. 1001 by fine or		
imprisonment of not more than five (6) years, or both.				
Authorization To Permit Access to Application by	Participating Offices	•		
•				
If checked, the undersigned hereby grants the US	PTO authority to provide t	ha European Palent Office (EPO), the Japan Palent		
Office (JPO), the Korean Intellectual Property Office (KIPO)	 the World Intellectual Pr 	operty Office (WIPO), and any other intellectual		
property offices in which a foreign application claiming prior identified patent application, See 37 CFR 1.14(c) and (h).	This box should not be ch	scked if the applicant does not wish the EPO, JPO.		
KIPO, WIPO, or other intellectual property office in which a	foreign application claimir	ng priority to the above-identified patent application is		
filed to have access to the above-identified patent applicati	OI).			
In accordance with 37 CFR 1.14(h)(3), access will be provi				
above-identified patent application-as-filed; 2) any foreign a 35 U.S.C. 119(a)-(d) if a copy of the foreign application that	t satisfies the certified cop	y requirement of 37 CFR 1.55 has been filed in the		
above-identified patent application; and 3) any U.S. applica-				
application.		4		
In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filling the Authorization to Permit Access				
to Application by Participating Offices.				

[Page 1]

DECLARATION AND ASSIGNMENT - Utility or Design Patent Application					
Direct all Correspondence Correspondence to: Customer Number: Customer Number: 23413 Customer Number: Cus					
Name	and the state of t	u von Wychadd (Maille langlisin an amhriolaigh a	https://www.com/doctors.com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/doctors/com/do		
Address		THE STREET PROPERTY OF THE STREET, STR			
City	State		Zip		
Country	Telephone	Email	der vertical de la companya de la c		
Assignment of Patent hereby sell, assign, and transfer t	*	ON			
having a principal place of busines	s at				
801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku Kyoto-shi, Kyoto, 600-8530 JAPAN ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all oreign countries on said inventions or improvements; and in and to all fights of priority resulting from the filing of said United States application;					
agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continued prosecution applications, and all other patent applications or any and all said inventions or improvements; execute all rightful oaths, assignments, powers of afforney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof, and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the below named inventor(s).					
Page 2)					

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to Identity theft.

Personal information such as spoial security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioner/applicants should consider reducting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 57 CFR 1.213(a) is made in the application or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: Patent Application File. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: Deposit Accounts and Electronic Funds Transfer Profiles.

Legal Name of Sole or First Inventor:							
(Æg., Given Name (first and middle (if any)) and Family Name or Sumame)							
Yoshinobu HEMM							
Inventor's Signature Date							
arrend o organia		ar case.					
Residence: City	Slate	Country	10 10 10 10 10 10 10 10 10 10 10 10 10 1				
Otsu-City	Shiga	JAPAN					
Mailing Address							
c/o Omron Corporation							
801, Minamifudodo-cho, Hotikawahigashiiru, Shiokoji-dori, Shimogyo-ku							
City	State	Zip	Country				
Kyoto-shi	Kyoto	600-8530	JAPAN				
,							
Legsi Name of Additional Joint Inventor, if any:							
(Eg., Given Name (first and middle (if an	y)) and Family Name or Sumame)					
Hideaki OZAKI							
Inventor's Signature Date							
Hideaki	August 27	2013					
Residence: City	State	Country	The state of the s				
Takatsuki-City	Osaka	JAPAN					
Mailing Address							
c/o Omron Corporation							
801, Minamifudode-cho, Horikawahigashiiru, Shlokoji-dori, Shimogye-ku							
City	State	Zip	Country				
Kyoto-shi	Kyoto	600-8530	JAPAN				
	***********************************	Incommunity and the second	1				

[Page 3]

Legal Name of Additional Joint Inventor, if any:							
(£g., Given Name (first and middle (if any)) and Family Name or Sumame)							
Hirotada TERANISHI							
Inventor's Signature		Date					
Residence: City	State	Country					
Osaka-City	Osaka		JAPAN				
Mailing Address	<u> </u>			and the state of the property of the same of the same			
c/o Omron Corporation 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku							
City	State	Zip Country					
Kyoto-shi	Kyata	600-8530		JAPAN			
Legal Name of Additional Joint Inventor, if any: (Æg., Given Name (first and middle (if any)) and Family Name or Surname)							
ره پي. (عالاقا الاهانية عالم سالطاق (الا any)) and Family Mame of Sumame)							
Inventor's Signature	ro/s Signature Date						
Residence: City	State		Country				
Mailing Address							
City	State	Zip		Country			
Legal Name of Additional Joint Inventor, if any:							
(Æg., Given Name (first and middle (if any)) and Family Name or Surname)							
Inventor's Signature		Date					
Residence: City	State		Country	PA-OABAA			
Mailing Address							
City	State	Zip		Country			

[Page 4]