504232948 02/17/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYA	NCE:	ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
HIROHIKO HIGUCHI			10/23/2015	
TOMOHIRO YATAGAW	A		10/20/2015	
NOBUHIKO INA			10/21/2015	
RECEIVING PARTY DA	TA			
Name: MITSUBISHI ELECTRIC CORPORATION		SHI ELECTRIC CORPORATION		
Street Address:	7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU			
City:	ΤΟΚΥΟ			
State/Country:	JAPAN			
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Postal Code: PROPERTY NUMBERS)		
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PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	Total: 1 29 0ATA e sent to th provided; 1 37 82 SI 51	Number 9546329 <i>he e-mail address first; if that is unsu</i> <i>if that is unsuccessful, it will be sent</i> fo@sbpatentlaw.com TUDEBAKER & BRACKETT PC 255 GREENSBORO DRIVE UITE 300 YSONS, VIRGINIA 22102		
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	Total: 1 29 0ATA e sent to th provided; 1 37 82 SI 51	Number 9546329 <i>he e-mail address first; if that is unsu if that is unsuccessful, it will be sent</i> fo@sbpatentlaw.com TUDEBAKER & BRACKETT PC 255 GREENSBORO DRIVE UITE 300 YSONS, VIRGINIA 22102 002500-ME0096		

Total Attachments: 6

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Attorney Docket No. 002500-ME

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Title of Invention:		
DISPLAY WITH GRAPHICAL USER INTERFACE		
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: The attached application, or United States application or PCT international application number filed on	
する場合)		
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	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
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 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.	
	STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):	
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 懲罰を受けることを認める。	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: <u>11/15/2012</u>	

Page 1 of 6



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 <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 <u>MITSUBISHI ELECTRIC CORPORATION</u> of <u>7-3</u>. <u>Marunouchi 2-chome</u>, <u>Chiyoda-ku</u>, <u>Tokyo 100-8310 JAPAN</u>, 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; 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 assignee's successors and assignee, 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	
	Hirohiko HIGUCHI
発明者の署名/ Signature	日付/ Date
	October. 23, 2015

Page 2 of 6



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COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Title of Invention:		
DISPLAY WITH GRAPHICAL USER INTERFACE		
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: 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. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
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 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.	
	STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):	
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 懲罰を受けることを認める。	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>	



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 <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 <u>MITSUBISHI ELECTRIC CORPORATION</u> of <u>7-3. Marunouchi 2-chome</u>. <u>Chiyoda-ku</u>, <u>Tokyo 100-8310 JAPAN</u>, 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, which may be granted therefor, including any and all renewals, reissues and prolongations thereof, 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 assigne, 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 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	Tomohiro YATAGAWA
発明者の署名/ Signature	日付/ Date
谷田川智34	Octobar 20,2015

Page 4 of 6



COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Title of Invention:		
DISPLAY WITH GRAPHICAL USER INTERFACE		
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 	The attached application, or United States application or PCT international application number	
上記出顧書(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.	
	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
私は、本米国出願の請求範囲で記載された発明に対		
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Page 5 of 6



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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; 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 assigner 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.

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発明者氏名/ Legal Name of Inv	rentor	Nobuhiko INA
^{発明者の署名} / Signature Nobulyiko	Ina	Bitt Date Oct. 21, 2015

Page 6 of 6

PATENT REEL: 041283 FRAME: 0442

RECORDED: 02/17/2017