502112796 10/31/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Makoto HIRAKAWA	10/24/2012	
Hibiki TATSUNO	10/24/2012	
Takanobu OSAKA	10/24/2012	
Yasuyuki SHIBAYAMA	10/24/2012	
Kiichiro NISHINA	10/24/2012	

RECEIVING PARTY DATA

Name:	Ricoh Company, Ltd.	
Street Address:	3-6, Nakamagome 1-chome, Ohta-ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	143-8555	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13664830

CORRESPONDENCE DATA

Fax Number: 7034132220

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

Phone: (703) 413-3000
Email: AAdams@oblon.com
Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	406972US28
NAME OF SUBMITTER:	Arielle Adams
	This document serves as an Oath/Declaration (37 CER 163).

502112796 REEL: 029219 FRAME: 0518

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Total Attachments: 5 source=406972 ASN#page1.tif source=406972 ASN#page2.tif source=406972 ASN#page3.tif source=406972 ASN#page4.tif source=406972 ASN#page5.tif

THUY			
Title of IMAGE DISPLAYING APPARATUS Invention			
As the below named inventor, I hereby declare that:			
This declaration 🗵 The attached application, or			
is directed to: United States application or PCT international application number filed on			
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.			
WHEREAS, RICOH COMPANY, LTD.			
(hereinafter referred to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;			
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and and all divisions, reissues, continuations, substitutions and renewals thereof.			
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.			
Forther, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.			
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.			
LEGAL NAME OF INVENTOR			
Inventor: MAKOTO HIRAKAWA Date: October 24, 2012			
Signature Mighara Wagakay			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, LL.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Title of	THE OF PERMY LYEN TO LESS IN			
Invention	IMAGE DISPLAYING APPA	RATUS		
As the below name	ed inventor, I hereby declare that:			
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is directed to:	United States application or PCT 't filed on	ternational application number		
The above-identifie	ed application was made or authorized	to be made by me.		
I believe that I am t	the original inventor or an original joi	nt inventor of a claimed invention in the application.		
WHEREAS, RIC	OH COMPANY, LTD.			
143-0333, Japan, 18	(hereinafter referred to as "ASSIGNER") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku. Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its terriforial possessions and in any and all foreign countries;			
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assignee of my entir (his) successors and	countries to assue any and all of sai	sials in the United States and its territorial possessions and d Letters Patent, when granted, to said ASSIGNEE as the same, for the sole use and beboof of said ASSIGNEE, its for which said Letters Patent may be granted, as fully and Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful caths, and, generally do everything cossible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said nyention in the United States and its territorial possessions and in any and all foreign countries.				
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LEGAL NAME OF I	INVENTOR			
Inventor: HIBIKUI	ratsuno	Date: October 24, 2012		
Signature: / Lile	iki Tatsuno	-		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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Title of

Title of IMAGE DISPLAYING APPARATUS Invention	1
As the below named inventor, I hereby declare that:	_
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is directed to: United States application or PCT international application number filed on	
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.	
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I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
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LEGAL NAME OF INVENTOR	1
inventor: TAKANOBU OSAKA Date: October 24, 2012	
Signature: Jakanofur Osorko	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	IMAGE DISPLAYING APPARATU	'S		
As the below named inventor, I hereby declare that:				
1	This declaration The attached application, or			
is directed to:	United States application of PCT internatifiled on	onal application number		
The above-identifie	d application was made or authorized to be	made by me.		
I believe that ! am f	he original inventor or an original joint inve	ntor of a claimed invention in the application.		
(hereinafter referred 143-8555, Japan, is	WHEREAS, RICOH COMPANY, LTD. (hereinafter referred to as "ASSIGNEB") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all			
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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.				
LEGAL NAMES OF INVENTOR				
Inventor: YASUY	UKI SHIBAYAMA	Date: October 24, 2012		
Signature: Yu	auguhi Guilragener.			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

IMAGE DISPLAYING APPARATUS

	Invention	militar Dibitating A	FRARATUS		
As the below named inventor, I hereby declare that:					
l		The attached application, or	•		
		United States application or P	CT international application	number	<u> </u>
l	The above-identifie	d application was made or author	orized to be made by me		
l		he original inventor or an origin		d invention in the appli	ication
	WHEREAS, RIC	OH COMPANY, T.TD			
	(hereinafter referred 143-8555, Japan, is	I to as "ASSIGNEE") having pl s desirous of acquiring the entire may be granted therefore in the			
i i	said ASSIGNEE, the and in all foreign co other relevant Intern interest in and to an	ORE, in consideration of the s for other good and valuable cor e full and exclusive right to the cuntries (including the right to di actional Treaties and Arrangement by and all Letters Patent which any and all foreign countries rewals thereof.	said invention in the Unite aim priority under the term ants from the aforesaid appl they be granted therefore.	sents do sell, assign and d States and its territor is of the International Cheation) and the entire	d transfer unto ial possessions convention and right, title and
(assignee of my entire	e and request the Patent Office countries to issue any and all to e right, title and interest in and assigns, to the full and of the twould have been held by me had	of said Letters Patent, when to the same, for the sole us	i granted, to said ASS and behoof of said A	IGNEE as the
a o u	Further, I agree the especting said investion, substitution, substitution of said Letters Processible to aid said	hat I will communicate to said aution, and testify in any lega ate, renewal and reissue applica atent to be issued to said ASS ASSIGNEE, its (his) successor and States and its territorial posse	ASSIGNEE or its (his) rep I proceeding, sign all law ions, execute all necessary IGNEE, make all rightful and assigns to obtain an	presentatives any facts while papers, execute assignment papers to assign, and, generally	all divisional, cause any and
ь	I hereby acknowle y fine or impri:onme	edge that any willful false statement of not more than five (5) yea	ent made in this declaration	is punishable under 1	3 U.S.C. 1001
L	EGAL NAME OF I	NVENTOR			
Ŀ	ventor: KIICHIRO	ANIBEIN C	Date:	October 24, 2	012
Si	ignature: <u>Kud</u>	Rino Niapimo			
_		<u> </u>			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 029219 FRAME: 0524

RECORDED: 10/31/2012

Title of