505357184 03/05/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5403972

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUUSUKE MATSUKI	02/18/2019
ATSUSHI YANAKA	02/18/2019
DAISUKE MEZAKI	02/18/2019

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:	16292379

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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) 413-3000 Email: AAdams@oblon.com **Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	520529US
NAME OF SUBMITTER:	ARIELLE ADAMS
SIGNATURE:	/ARIELLE ADAMS/
DATE SIGNED:	03/05/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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> **PATENT REEL: 048500 FRAME: 0259** 505357184

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of

Title of	LIQUID DISCHARGE APPARATUS AN	D METHOD FOR DISCHARGING
Invention	LIQUID	
As the below named inventor, I hereby declare that:		
This declaration 🛛	The attached application, or	
is directed to:	United States application or PCT international appli	leation number
	filed on	
The above-identified	application was made or authorized to be made by m	 6.
I believe that I am the	original inventor or an original joint inventor of a cl	aimed invention in the application.
WHEREAS, Ricol	h 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;		
acknowledged, and fo ASSIGNEE, the full a all foreign countries (relevant international in and to any and all)	ORE, in consideration of the sun of FIVE DOLLA or other good and valuable consideration, I, by these pand exclusive right to the said invention in the United (including the right to claim priority under the terms. Treatics and Arrangements from the aforesaid applications Patent which may be granted therefor in the preign countries and in and to any and all divisions	oresents do sell, assign and transfer unto said if States and its territorial possessions and in s of the International Convention and other cation) and the entire right, title and interest United States and its territorial possessions
and all foreign countr of my entire right, tit successors and assign	and request the Patent Office Officials in the United ies to issue any and all of said Letters Patent, when the and interest in and to the same, for the sole uses, to the full end of the term for which said Letters Patent held by me had this Assignment and sale not be	granted, to said ASSIGNEE as the assignee e and behoof of said ASSIGNEE, its (his) tent may be granted, as fully and entirely as
Further, I agree that I will communicate to said ASSIGNEE or its (bis) 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 (bis) 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.		
	edge that any willful false statement made in this declerated not more than five (5) years, or both.	laration is punishable under 18 U.S.C. 1001
LEGAL NAME OF I	NVENTOR	
Inventor: YUUSU	JKE MATSUKI	Date: Marring 18 2019
Signature: 41824	ake maseubl	· · · · · · · · · · · · · · · · · · ·

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> **PATENT REEL: 048500 FRAME: 0260**

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of	LIQUID DISCHARGE APPARATUS AND METHOD FOR DISCHARGING
Invention	LIQUID
As the below named i	nventor, 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 a	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.
	Company, Ltd.
<u>143-8555, Japan</u> , is d	o as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo lesirous of acquiring the entire right, title and interest in and to said invention and in and to any y be granted therefore in the United States and its territorial possessions and in any and all foreign
acknowledged, and for ASSIGNEE, the full a all foreign countries (relevant International in and to any and all I	PRE, in consideration of the sun of FIVE DOLLARS (\$5.00), the receipt whereof is hereby rother good and valuable consideration, I, by these presents do sell, assign and transfer unto said and exclusive right to the said invention in the United States and its territorial possessions and in including the right to claim priority under the terms of the International Convention and other Treaties and Arrangements from the aforesaid application) and the entire right, title and interest Letters Patent which may be granted therefor in the United States and its territorial possessions reign countries and in and to any and all divisions, reissues, continuations, substitutions and
and all foreign countri of my entire right, tit successors and assigns	and request the Patent Office Officials in the United States and its territorial possessions and any fes to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee the and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) s, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as been held by me had this 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 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: <u>ATSUSI</u>	HYANAKA Date: Lelucary 18, 2019
Signature:	atzushi yanaka

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

PATENT REEL: 048500 FRAME: 0261

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

LIQUID DISCHARGE APPARATUS AND METHOD FOR DISCHARGING

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 sun 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 to any 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.	
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 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: DAISUKE MEZAKI Date: 2-18-2-19	
Signature Jaiouhe Mejaki	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 048500 FRAME: 0262

RECORDED: 03/05/2019

Title of