

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3612804

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAKOTO YASUDA	10/15/2015
JUN HITOSUGI	10/15/2015
TAKAMASA OZEKI	10/15/2015
MUTSUKI MORINAGA	10/15/2015
EMIKO SHIRAIISHI	10/19/2015
WAKANA ITOH	10/28/2015
HITOSHI YAMAMOTO	10/16/2015
TAKATSUGU KOMORI	10/16/2015
KUNIO HASEGAWA	10/15/2015
TADASHI KASAI	10/15/2015
KAZUAKI KAMIHARA	10/15/2015
KAZUMI KOBAYASHI	10/15/2015
HIROYUKI KUNII	10/15/2015
MASAKI SUKESAKO	10/15/2015
YUICHI AIZAWA	10/15/2015
MASAKAZU TERAOKA	10/18/2015
MASAYOSHI NAKAYAMA	10/15/2015
TAKUMA HIGA	10/16/2015
MASAHIRO KATOH	10/20/2015
KOHEI MATSUMOTO	10/19/2015

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:	14939057

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:** bbotchway@oblon.com**Correspondent Name:** OBLON, ET AL.**Address Line 1:** 1940 DUKE STREET**Address Line 4:** ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	462817US28
NAME OF SUBMITTER:	BRANDON BOTCHWAY
SIGNATURE:	/Brandon Botchway/
DATE SIGNED:	11/12/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) JUN HITOSUGI	
Inventor's Signature <i>Jun Hitosugi</i>	Date (Optional) <i>Oct. 15, 2015</i>
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) TAKAMASA OZEKI	
Inventor's Signature <i>Takamasa Ozeki</i>	Date (Optional) <i>Oct 15, 2015</i>
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) MUTSUKI MORINAGA	
Inventor's Signature <i>Mutsuki Morinaga</i>	Date (Optional) <i>Oct. 15, 2015</i>
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) EMIKO SHIRAISHI	
Inventor's Signature <i>Emiko Shiraiishi</i>	Date (Optional) <i>Oct. 19, 2015</i>
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) WAKANA ITOH	
Inventor's Signature <i>wakana Itoh</i>	Date (Optional) <i>Oct 28, 2015</i>
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) HITOSHI YAMAMOTO	
Inventor's Signature <i>Hiroshi Yamamoto</i>	Date (Optional) <i>Oct 16, 2015</i>
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) TAKATSUGU KOMORI	
Inventor's Signature <i>Takatsugu Komori</i>	Date (Optional) <i>Oct 16, 2015</i>

**SUPPLEMENTAL SHEET FOR DECLARATION USING
AN APPLICATION DATA SHEET AND ASSIGNMENT**

**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

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Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) KUNIO HASEGAWA	
Inventor's Signature <i>Kunio Hasegawa</i>	<i>Oct 15, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) TADASHI KASAI	
Inventor's Signature <i>Tadashi Kasai</i>	<i>Oct 15, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) KAZUAKI KAMIHARA	
Inventor's Signature <i>Kazuaki Kamihara</i>	<i>Oct 15, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) KAZUMI KOBAYASHI	
Inventor's Signature <i>Kazumi Kobayashi</i>	<i>Oct 15, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) HIROYUKI KUNII	
Inventor's Signature <i>Hiroyuki Kunii</i>	<i>Oct 15, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) MASAKI SUKESAKO	
Inventor's Signature <i>Masaki Sukesako</i>	<i>Oct 15, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) YUICHI AIZAWA	
Inventor's Signature <i>Yuichi Aizawa</i>	<i>Oct 15, 2015</i> Date (Optional)

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AN APPLICATION DATA SHEET AND ASSIGNMENT**

**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Page 4 of 4

Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) MASAKAZU TERAO	
Inventor's Signature	Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) MASAYOSHI NAKAYAMA	
Inventor's Signature <i>Masayoshi Nakayama</i>	<i>Oct. 15, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) TAKUMA HIGA	
Inventor's Signature <i>Takuma Higa</i>	<i>Oct. 16, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) MASAHIRO KATOH	
Inventor's Signature <i>Masahiro Katoh</i>	<i>Oct. 20, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) KOHEI MATSUMOTO	
Inventor's Signature <i>Kohei Matsumoto</i>	<i>Oct. 19, 2015</i> Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Inventor's Signature	Date (Optional)
Legal Name of Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Inventor's Signature	Date (Optional)

Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
MASAKAZU TERAO	
Inventor's Signature	<i>Masakazu Terao</i>
	October 18, 2015
	Date (Optional)
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
MASAYOSHI NAKAYAMA	
Inventor's Signature	
	Date (Optional)
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
TAKUMA HIGA	
Inventor's Signature	
	Date (Optional)
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
MASAHIRO KATOH	
Inventor's Signature	
	Date (Optional)
Legal Name of Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
KOHEI MATSUMOTO	
Inventor's Signature	
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Legal Name of Joint Inventor, if any:	
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(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Inventor's Signature	
	Date (Optional)