03/05/2019 505357189

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5403977

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOSHIYUKI IKEOH	01/21/2019
YASUHIRO HIGASHI	01/21/2019
YOSHIO WADA	01/21/2019
TAKUMI SATOH	01/21/2019
HIROAKI MINAMIDE	02/07/2019
KOUJI NAWATA	02/07/2019
YUMA TAKIDA	02/07/2019

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:	16292381	

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: adavis@oblon.com **Correspondent Name:** OBLON, ET AL. 1940 DUKE STREET Address Line 1:

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	520937US
NAME OF SUBMITTER:	ALLISON DAVIS
SIGNATURE:	/ALLISON DAVIS/
DATE SIGNED:	03/05/2019

PATENT REEL: 048498 FRAME: 0444

505357189

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 7	
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Title of Invention	PULSED ELECTROMAGNETIC-WAVE GENERATOR AND MEASURING APPARATUS		
As the below name	d inventor, I hereby declare that:		
This declaration 🗵	This declaration 🔯 The attached application, or		
is directed to:	United States application or PCT international application number		
The above-identifie	d application was made or authorized to be made by me.		
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.		
143-8555 Japan, is	oh Company, Ltd. if to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo desirous of acquiring the entire right, title and interest in and to said invention and in and to any may be granted therefore in the United States and its territorial possessions and in any and all		
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	ORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto be full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.		
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its dassigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.		
respecting said inv continuation, substi- all of said Letters I possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me rention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ted States and its territorial possessions and in any and all foreign countries.		
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.		
LEGAL NAME OF	INVENTOR		
Inventor: Toshiyu	ki IKEOH Date: January 21,2019		
Signature:	hiyuki Ükeoh		

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	APPARATUS		
As the below name	As the below named inventor, I hereby declare that:		
This declaration 🗵	This declaration The attached application, or		
is directed to:	United States application or PCT international application number		
The above-identifie	d application was made or authorized to be made by me.		
I believe that I am t	he 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;			
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	ORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto be full and exclusive right to the said invention in the United States and its territorial possessions puntries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.		
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LEGAL NAME OF	INVENTOR		
Inventor: Yasuhir	Date: January 21, 2019		
Signature: Ua	suhiza Kigashi		

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	PULSED ELECTROMAGNETIC-WAVE GENERATOR AND MEASURING APPARATUS
As the below name	d inventor, I hereby declare that:
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	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.
LEGAL NAME OF	
Inventor: Yoshio	
Signature:	Joshio Wada

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

ALEXANDRIA, VIRGINIA 22314

Title of Invention	PULSED ELECTROMAGNETIC-WAVE GI APPARATUS	ENERAT	OR AND MEASURING
As the below named	d inventor, I hereby declare that:		
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any and all foreign assignee of my entir (his) successors and	ze and request the Patent Office Officials in the Unit countries to issue any and all of said Letters Patent re right, title and interest in and to the same, for the s assigns, to the full end of the term for which said I would have been held by me had this Assignment and	t, when gr sole use ar Letters Pa	ranted, to said ASSIGNEE as the nd behoof of said ASSIGNEE, its itent may be granted, as fully and
respecting said invo continuation, substit all of said Letters I possible to aid said	that I will communicate to said ASSIGNEE or its (I ention, and testify in any legal proceeding, sign tute, renewal and reissue applications, execute all neceptate to be issued to said ASSIGNEE, make all ri ASSIGNEE, its (his) successors and assigns, to obtated States and its territorial possessions and in any and	all lawfu cessary ass ghtful oat tain and e	Il papers, execute all divisional, signment papers to cause any and this, and, generally do everything enforce proper protection for said
by fine or imprisonm	edge that any willful false statement made in this declinent of not more than five (5) years, or both.	laration is	punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR		- /
Inventor: Takumi S	SATOH	Date:	January 21, 2019
Signature: <u>Tak</u>	umi Stoh		

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	APPARATUS	EKATOR AIND MEASURING
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LEGAL NAME OF		
Inventor: Hiroaki	MINAMIDE	Pate: Heburary 7, 2019
Signature:	科出春里	,

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

ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF INVENTOR		
Inventor: Kouji NAWATA Date: Feb. 7, 20/9		
Signature: SED 封二		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
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LEGAL NAME OF INVENTOR	
Inventor: Yuma T	TAKIDA Date: February 27, 2019
Signature: The AGS.	

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

PATENT REEL: 048498 FRAME: 0452

RECORDED: 03/05/2019