

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5743177

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HITOSHI IWATSUKI	09/19/2019
	YASUYUKI YAMASHITA	09/19/2019
	KIICHI KAMODA	09/19/2019
	TOSHIYUKI MUTOH	09/19/2019
	YASUTOMO AMAN	09/19/2019
	TOSHIYUKI ISEKI	09/20/2019
	MITSURU NARUSE	09/19/2019
	AKIRA SAITO	09/19/2019
	SHINZO HIGUCHI	09/20/2019
	SOHICHIROH IIDA	09/21/2019
RECEIVING PARTY DATA		
Name:	RICOH COMPANY, LTD.	
Street Address:	3-6, NAKAMAGOME 1-CHOME	
City:	OHTA-KU, TOKYO	
State/Country:	JAPAN	
Postal Code:	143-8555	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16184244	
CORRESPONDENCE DATA		
Fax Number:	(703)413-2220	
<i>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.</i>		
Phone:	(703) 413-3000	
Email:	wsmith@oblon.com	
Correspondent Name:	OBLON, ET AL.	
Address Line 1:	1940 DUKE STREET	
Address Line 4:	ALEXANDRIA, VIRGINIA 22314	
ATTORNEY DOCKET NUMBER:	518159US	

NAME OF SUBMITTER:	WILLIAM SMITH
SIGNATURE:	/William Smith/
DATE SIGNED:	09/27/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 10 source=518159USAssignment#page1.tif source=518159USAssignment#page2.tif source=518159USAssignment#page3.tif source=518159USAssignment#page4.tif source=518159USAssignment#page5.tif source=518159USAssignment#page6.tif source=518159USAssignment#page7.tif source=518159USAssignment#page8.tif source=518159USAssignment#page9.tif source=518159USAssignment#page10.tif	

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

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<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or</p> <p>is directed to: <input checked="" type="checkbox"/> United States application or PCT international application <u>16/184244</u></p> <p>filed on <u>November 8, 2018</u></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, <u>Ricoh Company, Ltd.</u></p> <p>(hereinafter referred to as "ASSIGNEE") having places of business at: <u>3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan</u>, 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;</p> <p>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 to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>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.</p> <p>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.</p> <p>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.</p>	
LEGAL NAME OF INVENTOR	
Inventor:	<u>HITOSHI IWATSUKI</u> Date: <u>September 19, 2019</u>
Signature:	<u>/ Hitoshi Iwatsuki /</u>

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

PATENT
REEL: 050520 FRAME: 0326

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LEGAL NAME OF INVENTOR	
Inventor: <u>YASUYUKI YAMASHITA</u> Date: <u>September 19, 2019</u>	
Signature: <u>/ Yasuyuki Yamashita /</u>	

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: <u>KIICHI KAMODA</u>	Date: <u>September 19, 2019</u>
Signature: <u>/ Kiichi Kamoda /</u>	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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1940 DUKE STREET
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LEGAL NAME OF INVENTOR	
Inventor: <u>TOSHIYUKI MUTOH</u>	Date: <u>September 19, 2019</u>
Signature: <u>/ Toshiyuki Mutoh /</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>YASUTOMO AMAN</u> Date: <u>September 19, 2019</u>	
Signature: <u>/ Yasutomo Aman /</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>TOSHIYUKI ISEKI</u>	Date: <u>September 20th, 2019</u>
Signature: <u>Toshiyuki Iseki</u>	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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LEGAL NAME OF INVENTOR	
Inventor:	<u>MITSURU NARUSE</u> Date: <u>September 19, 2019</u>
Signature:	<u>/ Mitsuru Naruse /</u>

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<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or</p> <p>is directed to: <input checked="" type="checkbox"/> United States application or PCT international application <u>16/184244</u></p> <p>filed on <u>November 8, 2018</u></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, <u>Ricoh Company, Ltd.</u></p> <p>(hereinafter referred to as "ASSIGNEE") having places of business at: <u>3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan</u>, 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;</p> <p>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 to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>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.</p> <p>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.</p> <p>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.</p>	
LEGAL NAME OF INVENTOR	
Inventor: <u>AKIRA SAITO</u>	Date: <u>September 19, 2019</u>
Signature: <u>/ AKIRA SAITO /</u>	

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

PATENT
REEL: 050520 FRAME: 0333

**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 Invention	PARTICLE FOR SOLID FREEFORM FABRICATION, POWDER FOR SOLID FREEFORM FABRICATION, DEVICE FOR MANUFACTURING SOLID FREEFORM FABRICATION OBJECT, METHOD OF MANUFACTURING SOLID FREEFORM FABRICATION OBJECT, AND PARTICLE
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<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>SHINZO HIGUCHI</u> Date: <u>September 20, 2019</u></p> <p>Signature: <u>/ SHINZO HIGUCHI /</u></p>	

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
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LEGAL NAME OF INVENTOR	
Inventor:	<u>SOHICHIROH IIDA</u>
Date:	<u>September 21, 2019</u>
Signature:	<u>Sohichiroh Iida</u>

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