#### 11/24/2015 503583156

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NAOKI HAYASHI	09/04/2015
TOMOKI ITOOKA	09/07/2015
SHIN-YA OMOTE	09/16/2015
KAZUHIRO ISO	09/16/2015

#### **RECEIVING PARTY DATA**

Name:	JSR CORPORATION
Street Address:	9-2, Higashi-shinbashi 1-chome, Minato-ku
City:	Tokyo
State/Country:	Japan
Postal Code:	105-8640
Name:	JSR LIFE SCIENCES CORPORATION
Street Address:	9-2, HIGASHI-SHINBASHI 1-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	105-8640

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14893585

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

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 463223US99X PCT NAME OF SUBMITTER: **ERIKO TSUJI** 

SIGNATURE:	/Eriko Tsuji/	
DATE SIGNED:	11/24/2015	
Total Attachments: 4		
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source=463223USAssignment#page3.tif		
source=463223USAssignment#page4.tif		

Invention	SURFACE TREATMENT AGENT FOR SURFACE ( MATERIAL, TOOL AND DEVICE HAVING MODI MANUFACTURING TOOL AND DEVICE	CONFIGUR EFIED SU	ED FROM INORO RFACE, AND M	ETHOD FOR
As the below name	d inventor, I hereby declare that:			
This declaration [	The attached application, or			
is directed to:	United States application or PCT international applifiled on May 27, 2014	ication num –	iber PCT/JP2014	/063939
The above-identifie	d application was made or authorized to be made by 1	me.		
I believe that I am the	he original inventor or an original joint inventor of a	claimed inv	ention in the appl	ication.
WHEREAS, 1)	JSR CORPORATION and 2) JSR Life Sciences			
respectively are des	d to as "ASSIGNEES") having places of business 105-8640 Japan and 2) 9-2, Higashi-Shinbashi 1-cl irous of jointly acquiring interests in the entire right, rs Patent that may be granted therefore in the United countries;	home, Mina title and int	ato-ku, Tokyo 10 terest in and to sai	5-8640 Japan ,
acknowledged, and said ASSIGNEES, t and in all foreign co other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLA for other good and valuable consideration, I, by the the full and exclusive right to the said invention in the puntries (including the right to claim priority under the national Treaties and Arrangements from the aforesa my and all Letters Patent which may be granted the any and all foreign countries and in and to any newals thereof.	se presents e United Sta ne terms of id applicati refor in the	do sell, assign and ates and its territor the International (ion) and the entire and United States are	nd transfer unto rial possessions Convention and e right, title and ad its territorial
any and all foreign assignees of my en their successors and	te and request the Patent Office Officials in the Unit countries to issue any and all of said Letters Patent, tire right, title and interest in and to the same, for the l assigns, to the full end of the term for which said would have been held by me had this Assignment ar	, when grar e sole use a Letters Pate	nted, to said ASSI and behoof of said ent may be grante	IGNEES as the
Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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.				
by fine or imprisonn	ledge that any willful false statement made in this dec nent of not more than five (5) years, or both.	laration is p	punishable under	18 U.S.C. 1001
LEGAL NAME OF	INVENTOR			
Inventor: Naoki H	1 1 1 2 2 2	Date:	September	4,2015
Signature:	Naoki HAYASHI			

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	SURFACE TREATMENT AGENT FOR SURFACE C MATERIAL, TOOL AND DEVICE HAVING MODI	
As the below name	MANUFACTURING TOOL AND DEVICE d inventor, I hereby declare that:	
This declaration [	The attached application, or	
is directed to:	United States application or PCT international applic filed on May 27, 2014	ration number PCT/JP2014/063939
The above-identifie	ed application was made or authorized to be made by m	e.
I believe that I am t	the original inventor or an original joint inventor of a cl	aimed invention in the application.
WHEREAS, 1)	JSR CORPORATION and 2) JSR Life Sciences (	Corporation
Minato-ku, Tokyo respectively are des	ed to as "ASSIGNEES") having places of business a 105-8640 Japan and 2) 9-2, Higashi-Shinbashi 1-che sirous of jointly acquiring interests in the entire right, tiers Patent that may be granted therefore in the United Scountries;	ome, Minato-ku, Tokyo 105-8640 Japan, tle and interest in and to said invention and
acknowledged, and said ASSIGNEES, and in all foreign co other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLAND for other good and valuable consideration, I, by these the full and exclusive right to the said invention in the countries (including the right to claim priority under the mational Treaties and Arrangements from the aforesaid my and all Letters Patent which may be granted there a any and all foreign countries and in and to any an enewals thereof.	e presents do sell, assign and transfer unto United States and its territorial possessions terms of the International Convention and application) and the entire right, title and efor in the United States and its territorial
any and all foreign assignees of my en their successors and	ze and request the Patent Office Officials in the United countries to issue any and all of said Letters Patent, on the right, title and interest in and to the same, for the diassigns, to the full end of the term for which said Les would have been held by me had this Assignment and	when granted, to said ASSIGNEES as the sole use and behoof of said ASSIGNEES, etters Patent may be granted, as fully and
Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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 acknow by fine or imprison	rledge that any willful false statement made in this declar ment of not more than five (5) years, or both.	aration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR	
Inventor: Tomoki	ITOOKA	Date: September 7, 2015
Signature:	Tomoki ITOOKA	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	SURFACE TREATMENT AGENT FOR SURFACE MATERIAL, TOOL AND DEVICE HAVING MOD MANUFACTURING TOOL AND DEVICE	
As the below name	MANUFACTURING TOOL AND DEVICE d inventor, I hereby declare that:	
This declaration $\square$	The attached application, or	
is directed to:	United States application or PCT international app filed on May 27, 2014	plication number PCT/JP2014/063939
The above-identifie	ed application was made or authorized to be made by	y me.
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Minato-ku, Tokyo respectively are desi	d to as "ASSIGNEES") having places of busines 105-8640 Japan and 2) 9-2, Higashi-Shinbashi 1-sirous of jointly acquiring interests in the entire right rs Patent that may be granted therefore in the Unite countries;	chome, Minato-ku, Tokyo 105-8640 Japan, t, title and interest in and to said invention and
acknowledged, and said ASSIGNEES, t and in all foreign co other relevant Inters interest in and to as	FORE, in consideration of the sum of FIVE DOLI for other good and valuable consideration, I, by the the full and exclusive right to the said invention in to ountries (including the right to claim priority under national Treaties and Arrangements from the afores my and all Letters Patent which may be granted the any and all foreign countries and in and to an newals thereof.	hese presents do sell, assign and transfer unto he United States and its territorial possessions the terms of the International Convention and said application) and the entire right, title and herefor in the United States and its territorial
any and all foreign assignees of my en their successors and	ze and request the Patent Office Officials in the Un countries to issue any and all of said Letters Pater atire right, title and interest in and to the same, for the diassigns, to the full end of the term for which said would have been held by me had this Assignment	nt, when granted, to said ASSIGNEES as the the sole use and behoof of said ASSIGNEES, d Letters Patent may be granted, as fully and
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I hereby acknowl by fine or imprisonn	ledge that any willful false statement made in this dement of not more than five (5) years, or both.	eclaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR	
Inventor: _Shin-ya	ОМОТЕ	Date: September 16, 2015
Signature: Sh	inya Omote	

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

1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

	SURFACE TREATMENT AGENT FOR SURFACE CONFIGURED FROM INORGANIC MATERIAL, TOOL AND DEVICE HAVING MODIFIED SURFACE, AND METHOD FOR MANUFACTURING TOOL AND DEVICE	
As the below name	l inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international application number PCT/JP2014/063939 filed on May 27, 2014	
The above-identified	d application was made or authorized to be made by me.	
I believe that I am th	he original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, 1)	JSR CORPORATION and 2) JSR Life Sciences Corporation	
Minato-ku, Tokyo respectively are desi	to as "ASSIGNEES") having places of business at: 1) 9-2, Higashi-Shinbashi 1-chome, 105-8640 Japan and 2) 9-2, Higashi-Shinbashi 1-chome, Minato-ku, Tokyo 105-8640 Japan, irous of jointly acquiring interests in the entire right, title and interest in and to said invention and is Patent that may be granted therefore in the United States and its territorial possessions and in countries;	
acknowledged, and said ASSIGNEES, t and in all foreign co other relevant Interr interest in and to an	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 he full and exclusive right to the said invention in the United States and its territorial possessions buntries (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 may 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 assignees of my en their successors and	te 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 ASSIGNEES as the tire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, assigns, 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.	
Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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 acknowl by fine or imprisonn	edge 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: Kazuhiro	DISO Date: September 16, 20/5	
Signature: <u>K</u> a	zuhiro ISO	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 037128 FRAME: 0623

**RECORDED: 11/24/2015**