505138240 10/12/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5185004

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASANORI SEKI	05/29/2018
KEIGO MIZUSAWA	05/29/2018
RYUJI HIGASHI	09/01/2018
MASARU SUGITA	05/29/2018

RECEIVING PARTY DATA

Name:	Canon Kabushiki Kaisha	
Street Address:	Street Address: 30-2, Shimomaruko 3-Chome, Ohta-ku	
City: Tokyo		
State/Country:	JAPAN	
Postal Code:	146-8501	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15951387

CORRESPONDENCE DATA

Fax Number: (949)932-3577

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: +81-3-5732-8698

Email: prj-epas@list.canon.co.jp
Correspondent Name: CANON KABUSHIKI KAISHA

Address Line 1: 30-2, SHIMOMARUKO 3-CHOME, OHTA-KU

Address Line 4: TOKYO, JAPAN 146-8501

ATTORNEY DOCKET NUMBER:	10181702US01
NAME OF SUBMITTER:	KIMIKA SAKURAI
SIGNATURE:	/Kimika Sakurai/
DATE SIGNED:	10/12/2018

Total Attachments: 4

source=10181702US01A#page1.tif source=10181702US01A#page2.tif source=10181702US01A#page3.tif

PATENT 505138240 REEL: 047143 FRAME: 0952

source=10181702US01A#page4.tif

PATENT REEL: 047143 FRAME: 0953

ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Masanori Seki	Keigo Mizusawa
Ryuji Higashi	Masaru Sugita

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA

a corporation of Japan

having a place of business at 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

POLYMER

and described in an application for Letters Patent of the United States executed by me/us, and filed on $April\ 12$, 2018 as United States Application No. 15/951387 or

as PCT International Application No.

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I/we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I/we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and

more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I/we hereby covenant that I/we have the full right to convey the entire right, title and interest herein assigned and that I/we have not executed and will not execute any agreement in conflict herewith.

AND I/we hereby covenant and agree that I/we will communicate to said Assignee or nominees all facts known to me/us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

_{By:} Masanori Leki Masanori Seki	Date: Maj 29, 20/8
Masanori Seki	<i>U</i>
By: <u>Keigo Migusawa</u> Keigo Mizusawa	Date: May 29, 2018
Keigo Mizusawa	\mathscr{O}
By: Ryuji Higashi	Date:
By: Masam Sugntio Masaru Sugita	Date: May 29, 2018
Masaru Sugita ′	v
Ву:	Date:

ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Masanori Seki	Keigo Mizusawa
Ryuji Higashi	Masaru Sugita

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA a corporation of Japan

having a place of business at 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

POLYMER

and described in an application for Letters Patent of the United States executed by me/us, and filed on $\mbox{April 12, 2018}$ as United States Application No. 15/951387 or as PCT International Application No.

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I/we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I/we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and

more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I/we hereby covenant that I/we have the full right to convey the entire right, title and interest herein assigned and that I/we have not executed and will not execute any agreement in conflict herewith.

AND I/we hereby covenant and agree that I/we will communicate to said Assignee or nominees all facts known to me/us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

By:		Date: _	
· -	Masanori Seki		
Ву:_	Keigo Mizusawa	Date: _	
Ву:_	Ryuji Higashi	Date: _	Sep. 1, 2018
Ву:_	Masaru Sugita	Date:_	
Ву:_		Date: _	
Ву:_	A CONTRACTOR OF THE CONTRACTOR	Date: _	
By:_		Date: _	
By:_		Date: _	
Ву:_		Date: _	
Ву:_	Sample and the second s	Date:_	

Page 2 of 2