504394078 06/01/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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MASAHIRO KOBAYASHI	02/23/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15450838

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NAME OF SUBMITTER:	KIMIKA SAKURAI	
SIGNATURE:	/Kimika Sakurai/	
DATE SIGNED:	06/01/2017	

Total Attachments: 2

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PATENT 504394078 REEL: 042669 FRAME: 0132

ASSIGNMENT

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hereby se	ell, assign, transfe	r and convey unt	o CANON KABUSHIKI KAISHA
	ell, assign, transfe ation of Japan	r and convey unt	o CANON KABUSHIKI KAISHA
a corpora	ntion of Japan		o CANON KABUSHIKI KAISHA maruko 3-chome, Ohta-ku, Tokyo, Japan
a corpora having a its succes	ation of Japan place of business a	e 30-2, Shimo	omaruko 3-chome, Ohta-ku, Tokyo, Japan ereinafter called the "Assignee"), the entire right, t
a corpora having a its succes	ation of Japan place of business a sors, assigns and legal	e 30-2, Shimo	omaruko 3-chome, Ohta-ku, Tokyo, Japan ereinafter called the "Assignee"), the entire right, t

and described in an application for Letters Patent of the United States executed by me/us, and

filed on

as United States Application No.

£185.

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 L/we hereby authorize and request the Commissioner for Patents and Tradiments 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 Assignce or to such nominees as it may designate.

AND 1/we authorize and expower 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 amanded, or by a convention which may beneforth 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 beneeforth be substituted for it.

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

AND I/we hereby coverant 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.

_{Dy:} Astoshi Noizumi Satoshi Koizumi	Date: February 23,201
By: <u>Irosalino Hobayashi</u> Masahiro Kobayashi	pace: Flebruary 23, 2017
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