505809180 12/09/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYOJI KANRI	08/20/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16556095

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ATTORNEY DOCKET NUMBER:	10197558US01
NAME OF SUBMITTER:	KOZUE TANO
SIGNATURE:	/Kozue Tano/
DATE SIGNED:	12/09/2019

Total Attachments: 2

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> **PATENT REEL: 051212 FRAME: 0430**

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ASSIGNMENT

7	Ryoji Kanri	
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: :*		,
Ì	mereby sell, assign, transfer and convey un	to CANON KABUSHIKI KAISHA
ä	a corporation of Japan	
1	naving a place of business at <mark>30-2, Shim</mark> o	omaruko 3-chome, Ohta-ku, Tokyo, Japan
	ts successors, assigns and legal representatives Gerest, for all countries, in and to certain invention	hereinafter called the "Assignee"), the entire right, t ons relating to

METHOD OF FORMING THROUGH HOLE

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

filed on

as United States Application No.

œ

as RT 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 1/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 coverant 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 l/we hereby covenant and agree that l/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 ouths 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: Nyoji Kanri Ryoji Kanri	Date: Ougust 20, 2019
Ryoji Kamri	
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