502111940 10/31/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Seiji Osawa	06/22/2012
Sosuke Kagaya	06/22/2012

RECEIVING PARTY DATA

Name:	Canon Kabushiki Kaisha	
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:	13542166

CORRESPONDENCE DATA

Fax Number: 9499323577

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: prj-epas@list.canon.co.jp Correspondent Name: Canon Kabushiki Kaisha

Address Line 1: 30-2, Shimomaruko 3-Chome, Ohta-ku

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ATTORNEY DOCKET NUMBER: 10111468US01

NAME OF SUBMITTER: Mayu Nakajima

Total Attachments: 2

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> **PATENT** REEL: 029214 FRAME: 0446

ASSIGNMENT

Seiji Osawa	Sosuke S. ^{M. Sousuke Kagaya}	
citizens of Japan		
hereby sell, assign, transfer and convey	y unto CANON KABUSHIKI KAISHA	
a corporation of Japan		
having a place of business at 30-2, SJ	himomaruko 3-chome, Ohta-ku, Tokyo, Japan	
its successors, assigns and legal representative nterest, for all countries, in and to certain inv	res (hereinafter called the "Assignee"), the entire right, t	

CONTROL APPARATUS AND CONTROL METHOD THEREOF

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

filed on

as United States Application No.

Ot

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.

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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 caths 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: Seiji Osawa Seiji Osawa	Date:	June 22, 20/2
By: Sosuke Kagaya S.H. Sousuke Kagaya Sosuke	Date:	June 22, 2012
Ву:	Date:	

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PATENT REEL: 029214 FRAME: 0448