

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4293357

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Shintaro IWAASA	11/17/2016
Takashi KOJIMA	11/17/2016
Naoki YAMAMURO	11/17/2016
Masato ENDO	11/17/2016
Daishi TERATO	11/17/2016
Masakazu NOMURA	11/17/2016
Shinichiro FUJII	11/17/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15443481
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<b>SIGNATURE:</b>	/Melony Sot/ for James A. Oliff
<b>DATE SIGNED:</b>	02/27/2017

PATENT

**Total Attachments: 2**

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# ASSIGNMENT

Insert	(1)	Shintaro IWAASA	(2)	Takashi KOJIMA
(1-8) Legal Name(s)	(3)	Naoki YAMAMURO	(4)	Masato ENDO
of Inventor(s)	(5)	Daishi TERATO	(6)	Masakazu NOMURA
	(7)	Shinichiro FUJII	(8)	

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee	(9)	TOYOTA JIDOSHA KABUSHIKI KAISHA
(10) Insert Address of Assignee	(10)	1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	SURROUNDING INFORMATION COLLECTION SYSTEM AND SURROUNDING INFORMATION ACQUISITION APPARATUS
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(Attorney Docket No. 175287), filed on even date herewith or as

(12) Alternative Identification for filed applications	(12)	U.S. Application Number <u>15/443,481</u>
		filed <u>02-24/17</u>

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>November 17, 2016</u>	Inventor Signature	<u>Shintaro Iwaasa</u> (SEAL) Shintaro IWAASA
Date	<u>November 17, 2016</u>	Inventor Signature	<u>Takashi Kojima</u> (SEAL) Takashi KOJIMA
Date	<u>November 17, 2016</u>	Inventor Signature	<u>Naoki Yamamuro</u> (SEAL) Naoki YAMAMURO
Date	<u>November 17, 2016</u>	Inventor Signature	<u>Masato Endo</u> (SEAL) Masato ENDO
Date	<u>November 17 2016</u>	Inventor Signature	<u>Daishi Terato</u> (SEAL) Daishi TERATO
Date	<u>November 17, 2016</u>	Inventor Signature	<u>Masakazu Nomura</u> (SEAL) Masakazu NOMURA

Date November 17, 2016

Inventor Signature Shinichiro Fujii (SEAL)  
Shinichiro FUJII

Date \_\_\_\_\_

Inventor Signature \_\_\_\_\_ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: