505212726 11/30/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5259493

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| KOJI MURAKAMI | 10/25/2018 |
| HIROSHI SATO | 10/25/2018 |

RECEIVING PARTY DATA

| Name: | TOYOTA JIDOSHA KABUSHIKI KAISHA | |
|-----------------|---------------------------------|--|
| Street Address: | 1, Toyota-cho | |
| City: | Toyota-shi, Aichi-ken | |
| State/Country: | Japan | |
| Postal Code: | 471-8571 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16205312 |

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: (703) 413-3000

Email: mreynolds@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 518198US | |
|-------------------------|-------------------|--|
| NAME OF SUBMITTER: | MORGAN REYNOLDS | |
| SIGNATURE: | /Morgan Reynolds/ | |
| DATE SIGNED: | 11/30/2018 | |

Total Attachments: 1

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PATENT 505212726 REEL: 047631 FRAME: 0933

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

TOYOTA JIDOSHA KABUSHIKI KAISHA

(hereinafter referred to as "ASSIGNEE"), which has a business office at

1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

CONTROL APPARATUS AND CONTROL METHOD FOR HYBRID SYSTEM OF VEHICLE

for which I(we) have executed an application for a United States

| No filed on | Ol8 . (Application Serial) |
|--|--|
| 2) Authorize and request the Commis and all Letters Patents resulting f division, continuation, substitute ASSIGNEE. | from said application, or any |
| 3) Agree to execute all papers and which are reasonably necessary in c said application, as well as any de and/or the enforcement of patents r Signed on the date(s) indicated | connection with the prosecution of erivative applications thereof esulting from such applications. |
| Name: Koji MURAKAMI | October 25, 2018 |
| 2) Hiroshi Lato Name: Hiroshi SATO | Date: October 25, 2018 |
| Witness: <u>Lenji</u> Kataoka | Date: October 26, 2018 |

PATENT REEL: 047631 FRAME: 0934

RECORDED: 11/30/2018