

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4813144

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIROMASA SUZUKI	08/31/2017
MASAHIDE MIURA	08/31/2017
YOSHINORI SAITO	08/31/2017
SATORU KATOH	09/01/2017
TOSHITAKA TANABE	09/04/2017
TETSUHIRO HIRAO	09/01/2017
TATSUYA OHASHI	08/31/2017
HIROAKI NAITO	09/05/2017
HIROTAKA ORI	08/30/2017
MICHIHIKO TAKEUCHI	09/01/2017
KEIICHI NARITA	09/04/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOYOTA JIDOSHA KABUSHIKI KAISHA
<b>Street Address:</b>	1, TOYOTA-CHO
<b>City:</b>	TOYOTA-SHI, AICHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	471-8571
<b>Name:</b>	CATALER CORPORATION
<b>Street Address:</b>	7800, CHIHAMA
<b>City:</b>	KAKEGAWA-SHI, SHIZUOKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	437-1492
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15560706
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
<i>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.</i>	

PATENT

<b>Phone:</b>	202-293-7060
<b>Email:</b>	ebarton@sughrue.com, sughrue@sughrue.com
<b>Correspondent Name:</b>	SUGHRUE MION, PLLC
<b>Address Line 1:</b>	2100 PENNSYLVANIA AVE., NW, SUITE 800
<b>Address Line 4:</b>	WASHINGTON, D.C. 20037

<b>ATTORNEY DOCKET NUMBER:</b>	Q235684 (WHM)
--------------------------------	---------------

<b>NAME OF SUBMITTER:</b>	ELAINE C. BARTON
---------------------------	------------------

<b>SIGNATURE:</b>	/Elaine C. Barton/
-------------------	--------------------

<b>DATE SIGNED:</b>	02/07/2018
---------------------	------------

**Total Attachments: 4**

source=Q235684Assignmentexecuted#page1.tif

source=Q235684Assignmentexecuted#page2.tif

source=Q235684Assignmentexecuted#page3.tif

source=Q235684Assignmentexecuted#page4.tif

Attorney's Docket No.: \_\_\_\_\_

**Assignment of Application**

WHEREAS, I (WE) \_\_\_\_\_

Hiromasa SUZUKI of Toyota-shi, Aichi, JapanMasahide MIURA of Toyota-shi, Aichi, JapanYoshinori SAITO of Kakegawa-shi, Shizuoka, JapanSatoru KATOH of Nagakute-shi, Aichi, JapanToshitaka TANABE of Nagakute-shi, Aichi, JapanTetsuhiro HIRAO of Toyota-shi, Aichi, JapanTatsuya OHASHI of Kakegawa-shi, Shizuoka, JapanHiroaki NAITO of Kikugawa-shi, Shizuoka, JapanHiroataka ORI of Kakegawa-shi, Shizuoka, JapanMichihiko TAKEUCHI of Kakegawa-shi, Shizuoka, JapanKeiichi NARITA of Kakegawa-shi, Shizuoka, Japan, respectively,

have invented certain new and useful improvements in: \_\_\_\_\_

EXHAUST GAS PURIFICATION CATALYST

for which an application for Letters Patent was executed on \_\_\_\_\_

(Application No. PCT/JP2016/059310, filed March 24, 2016), andWHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA andCATALER CORPORATION

(hereinafter referred to as "ASSIGNEES") having places of business at: \_\_\_\_\_

1, Toyota-cho, Toyota-shi, Aichi 471-8571 Japan and7800, Chihama, Kakegawa-shi, Shizuoka 437-1492 Japan

are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any official of any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of SUGHRUE MION, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which 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.

Date: August 31 2017 Hiromasa Suzuki  
(Signature of inventor) Hiromasa SUZUKI

Date: August 31. 2017 Masahide Miura  
(Signature of inventor) Masahide MIURA

Date: August 31. 2017 Yoshinori Saito  
(Signature of inventor) Yoshinori SAITO

Date: Sep. 1, 2017Satoru Katoh

(Signature of inventor) Satoru KATOH

Date: Sep. 4, 2017Toshitaka Tanabe

(Signature of inventor) Toshitaka TANABE

Date: Sept. 1. 2017 Tetsuhiro Hira  
(Signature of inventor) Tetsuhiro HIRAO

Date: Aug. 31. 2017 Tatsuya Ohashi  
(Signature of inventor) Tatsuya OHASHI

Date: Sept. 5. 2017 Hiroaki Naito  
(Signature of inventor) Hiroaki NAITO

Date: Aug. 30. 2017 Hiroataka Ori  
(Signature of inventor) Hiroataka ORI

Date: Sep. 1, 2017 Michihiko Takeuchi  
(Signature of inventor) Michihiko TAKEUCHI

Date: Sep. 4. 2017 Keiichi Narita  
(Signature of inventor) Keiichi NARITA