

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4579629

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROMASA SUZUKI	05/12/2017
TAKERU YOSHIDA	05/12/2017
MASAHIDE MIURA	05/12/2017
YUKI AOKI	05/31/2017
ISAO CHINZEI	05/12/2017
YOSHINORI SAITO	05/08/2017
DAISUKE OCHIAI	05/16/2017
MITSUYOSHI OKADA	05/16/2017
TOSHITAKA TANABE	05/15/2017
AKIHIKO SUDA	05/16/2017
MASANA O SATO	05/12/2017
AKIYA CHIBA	05/08/2017
AKIRA MORIKAWA	05/11/2017
HIROTAKA ORI	05/09/2017

RECEIVING PARTY DATA

Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA
Street Address:	1, TOYOTA-CHO
City:	TOYOTA-SHI, AICHI
State/Country:	JAPAN
Postal Code:	471-8571
Name:	CATALER CORPORATION
Street Address:	7800, CHIHAMA
City:	KAKEGAWA-SHI, SHIZUOKA
State/Country:	JAPAN
Postal Code:	437-1492

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15534841

CORRESPONDENCE DATA**Fax Number:** (202)293-7860*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:** 2022937060**Email:** rknight@sughrue.com, sughrue@sughrue.com**Correspondent Name:** SUGHRUE MION, PLLC**Address Line 1:** 2100 PENNSYLVANIA AVENUE NW**Address Line 2:** SUITE 800**Address Line 4:** WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER:	Q233588
NAME OF SUBMITTER:	CHRISTOPHER KNIGHT
SIGNATURE:	/CHRISTOPHER KNIGHT/
DATE SIGNED:	09/05/2017

Total Attachments: 9

source=Q233588AssignmentExecuted#page1.tif
source=Q233588AssignmentExecuted#page2.tif
source=Q233588AssignmentExecuted#page3.tif
source=Q233588AssignmentExecuted#page4.tif
source=Q233588AssignmentExecuted#page5.tif
source=Q233588AssignmentExecuted#page6.tif
source=Q233588AssignmentExecuted#page7.tif
source=Q233588AssignmentExecuted#page8.tif
source=Q233588AssignmentExecuted#page9.tif

Attorney's Docket No.: Q233588

Assignment of Application

WHEREAS, I (WE)

Hiromasa SUZUKI of Toyota-shi, Aichi, Japan

Takeru YOSHIDA of Miyoshi-shi, Aichi, Japan

Masahide MIURA of Toyota-shi, Aichi, Japan

Yuki AOKI of Seto-shi, Aichi, Japan

Isao CHINZEI of Toyota-shi, Aichi, Japan

Yoshinori SAITO of Kakegawa-shi, Shizuoka, Japan

Daisuke OCHIAI of Toyota-shi, Aichi, Japan

Mitsuyoshi OKADA of Toyota-shi, Aichi, Japan

Toshitaka TANABE of Nagakute-shi, Aichi, Japan

Akihiko SUDA of Nagakute-shi, Aichi, Japan

Masanao SATO of Fukuroi-shi, Shizuoka, Japan

Akiya CHIBA of Shizuoka -shi, Shizuoka, Japan

Akira MORIKAWA of Nagakute-shi, Aichi, Japan

Hiroataka ORI, of Kakegawa-shi, Shizuoka, Japan, respectively,

have invented certain new and useful improvements in: _____

EXHAUST GAS PURIFYING CATALYST

for which an application for Letters Patent was executed on _____

(Application No. PCT/JP2015/006203 filed December 11, 2015), and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA and
CATALER CORPORATION

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

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

7800, 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

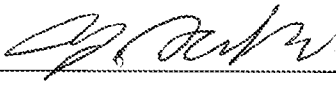
which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

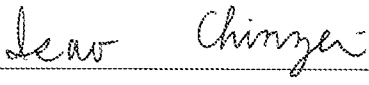
I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any official of any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignee of my (our) entire right, title and interest 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: <u>May 12, 2017</u>	<u>Hiromasa Suzuki</u> (Signature of inventor) Hiromasa SUZUKI
Date: <u>May 12, 2017</u>	<u>Takeru Yoshida</u> (Signature of inventor) Takeru YOSHIDA
Date: <u>May 12, 2017</u>	<u>Masahide Miura</u> (Signature of inventor) Masahide MIURA

Date: May 1, 2017 
(Signature of inventor) Yuki AOKI

Date: May 12, 2017 
(Signature of inventor) Isao CHINZEI

Date: _____
(Signature of inventor) Yoshinori SAITO

Date: _____
(Signature of inventor) Daisuke OCHIAI

Date: _____
(Signature of inventor) Mitsuyoshi OKADA

Date: _____
(Signature of inventor) Toshitaka TANABE

Date: _____
(Signature of inventor) Akihiko SUDA

Date: _____
(Signature of inventor) Masanao SATO

Date: _____
(Signature of inventor) Akiya CHIBA

Date: _____
(Signature of inventor) Akira MORIKAWA

Date: _____
(Signature of inventor) Hiroataka ORI

Attorney's Docket No.: _____

Assignment of Application

WHEREAS, I (WE)

Hiromasa SUZUKI of Toyota-shi, Aichi, JapanTakeru YOSHIDA of Mivoshi-shi, Aichi, JapanMasahide MIURA of Toyota-shi, Aichi, JapanYuki AOKI of Seto-shi, Aichi, JapanIsao CHINZEI of Toyota-shi, Aichi, JapanYoshinori SAITO of Kakegawa-shi, Shizuoka, JapanDaisuke OCHIAI of Toyota-shi, Aichi, JapanMitsuyoshi OKADA of Toyota-shi, Aichi, JapanToshitaka TANABE of Nagakute-shi, Aichi, JapanAkihiko SUDA of Nagakute-shi, Aichi, JapanMasanao SATO of Fukuroi-shi, Shizuoka, JapanAkiya CHIBA of Shizuoka -shi, Shizuoka, JapanAkira MORIKAWA of Nagakute-shi, Aichi, JapanHirotaka ORI, of Kakegawa-shi, Shizuoka, Japan, respectively,

have invented certain new and useful improvements in: _____

EXHAUST GAS PURIFYING CATALYST

for which an application for Letters Patent was executed on _____

(Application No. PCT/JP2015/006203, filed December 11, 2015), 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: _____

 (Signature of inventor) Hiromasa SUZUKI

Date: _____

 (Signature of inventor) Takeru YOSHIDA

Date: _____

 (Signature of inventor) Masahide MIURA

Date: _____
(Signature of inventor) Yuki AOKI

Date: _____
(Signature of inventor) Isao CHINZEI

Date: May 8, 2017 Yoshinori Saito
(Signature of inventor) Yoshinori SAITO

Date: May 16, 2017 Daisuke Ochiai
(Signature of inventor) Daisuke OCHIAI

Date: May 16, 2017 Mitsuyoshi Okada
(Signature of inventor) Mitsuyoshi OKADA

Date: _____
(Signature of inventor) Toshitaka TANABE

Date: _____
(Signature of inventor) Akihiko SUDA

Date: May 12, 2017 Masanao Sato
(Signature of inventor) Masanao SATO

Date: May 8, 2017 Akiya Chiba
(Signature of inventor) Akiya CHIBA

Date: _____
(Signature of inventor) Akira MORIKAWA

Date: May 9, 2017 Hiroataka Ori
(Signature of inventor) Hiroataka ORI

Attorney's Docket No.: _____

Assignment of Application

WHEREAS, I (WE)

Hiromasa SUZUKI of Toyota-shi, Aichi, JapanTakeru YOSHIDA of Miyoshi-shi, Aichi, JapanMasahide MIURA of Toyota-shi, Aichi, JapanYuki AOKI of Seto-shi, Aichi, JapanIsao CHINZEI of Toyota-shi, Aichi, JapanYoshinori SAITO of Kakegawa-shi, Shizuoka, JapanDaisuke OCHIAI of Toyota-shi, Aichi, JapanMitsuyoshi OKADA of Toyota-shi, Aichi, JapanToshitaka TANABE of Nagakute-shi, Aichi, JapanAkihiko SUDA of Nagakute-shi, Aichi, JapanMasanao SATO of Fukuroi-shi, Shizuoka, JapanAkiya CHIBA of Shizuoka -shi, Shizuoka, JapanAkira MORIKAWA of Nagakute-shi, Aichi, JapanHirotaka ORI, of Kakegawa-shi, Shizuoka, Japan, respectively,

have invented certain new and useful improvements in: _____

EXHAUST GAS PURIFYING CATALYST

for which an application for Letters Patent was executed on _____

(Application No. PCT/JP2015/006203, filed December 11, 2015), 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: _____

 (Signature of inventor) Hiromasa SUZUKI

Date: _____

 (Signature of inventor) Takeru YOSHIDA

Date: _____

 (Signature of inventor) Masahide MIURA

Date: _____
(Signature of inventor) Yuki AOKI

Date: _____
(Signature of inventor) Isao CHINZEI

Date: _____
(Signature of inventor) Yoshinori SAITO

Date: _____
(Signature of inventor) Daisuke OCHIAI

Date: _____
(Signature of inventor) Mitsuyoshi OKADA

Date: May 15, 2017 _____
Toshitaka Tanabe
(Signature of inventor) Toshitaka TANABE

Date: May 16, 2017 _____
Akihiko Sudo
(Signature of inventor) Akihiko SUDA

Date: _____
(Signature of inventor) Masanao SATO

Date: _____
(Signature of inventor) Akiya CHIBA

Date: May 11, 2017 _____
Akira Morikawa
(Signature of inventor) Akira MORIKAWA

Date: _____
(Signature of inventor) Hirotaka ORI