

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                  |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                      |
| <b>CONVEYING PARTY DATA</b>   |                                 |
| <b>Name</b>   | <b>Execution Date</b>           |
| Isao CHINZEI  | 02/17/2021                      |
| Takahiro NISHIO   | 02/01/2021                      |
| Shogo SHIRAKAWA   | 02/02/2021                      |
| Masahide MIURA  | 02/09/2021                      |
| Hiromasa SUZUKI   | 02/01/2021                      |
| Yuki KIDO   | 01/26/2021                      |
| Minoru ITO  | 01/26/2021                      |
| Sho HOSHINO   | 03/19/2021                      |
| Shin NAKAYAMA   | 01/26/2021                      |
| <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>  | 17211112                        |
| <b>CORRESPONDENCE DATA</b>  |                                 |
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|                                |        |
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| <b>ATTORNEY DOCKET NUMBER:</b> | 195607 |
|--------------------------------|--------|

|                           |                     |
|---------------------------|---------------------|
| <b>NAME OF SUBMITTER:</b> | MONIQUE L. GRIFFITH |
|---------------------------|---------------------|

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| <b>SIGNATURE:</b> | /Monique L. Griffith/ |
|-------------------|-----------------------|

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|---------------------|------------|
| <b>DATE SIGNED:</b> | 03/24/2021 |
|---------------------|------------|

**Total Attachments: 6**

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Attorney's Docket No.: 195607**Assignment of Application**

WHEREAS, I (WE) Isao CHINZEI of Toyota-shi, Aichi, Japan,  
Takahiro NISHIO of Toyota-shi, Aichi, Japan,  
Shogo SHIRAKAWA of Toyota-shi, Aichi, Japan,  
Masahide MIURA of Toyota-shi, Aichi, Japan,  
Hiromasa SUZUKI of Toyota-shi, Aichi, Japan,  
Yuki KIDO of Kakegawa-shi, Shizuoka, Japan,  
Minoru ITO of Kakegawa-shi, Shizuoka, Japan,  
Syo HOSHINO of Kakegawa-shi, Shizuoka, Japan, and  
Shin NAKAYAMA 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 even date herewith  
 (Japanese Patent Application No. 2020-054639, filed March 25, 2020), and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA and  
CATALER CORPORATION  
 (hereinafter referred to as "ASSIGNEES") having a place of business at:  
1, Toyota-cho, Toyota-shi, Aichi 471-8571 Japan and  
7800, Chihama, Kakegawa-shi, Shizuoka 437-1492 Japan

is 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 its 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 OLIFF, PLC of 277 South Washington Street, Suite 500, Alexandria, Virginia 22314 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: Feb, 17, 2021 Isao Chinzai  
(Signature of inventor) Isao CHINZEI

Date: Feb, 1, 2021 Takahiro Nishio  
(Signature of inventor) Takahiro NISHIO

Date: Feb. 2, 2021 Shogo Shirakawa  
(Signature of inventor) Shogo SHIRAKAWA

Date: Feb. 9, 2021 Masahide Miura  
(Signature of inventor) Masahide MIURA

Date: Feb, 1, 2021 Hiromasa Suzuki  
(Signature of inventor) Hiromasa SUZUKI

Date: Jan. 26, 2021 Yuki Kido  
(Signature of inventor) Yuki KIDO

Date: Jan. 26, 2021 Minoru Ito  
(Signature of inventor) Minoru ITO

Date: Jan. 26, 2021 Sho Hoshino  
(Signature of inventor) Syo HOSHINO

Date: Jan. 26, 2021 Shin Nakayama  
(Signature of inventor) Shin NAKAYAMA

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Date: \_\_\_\_\_  
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 (Signature of inventor) Isao CHINZEI

Date: \_\_\_\_\_  
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 (Signature of inventor) Takahiro NISHIO

Date: \_\_\_\_\_  
 \_\_\_\_\_  
 (Signature of inventor) Shogo SHIRAKAWA

Date: \_\_\_\_\_  
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 (Signature of inventor) Masahide MIURA

Date: \_\_\_\_\_  
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 (Signature of inventor) Hiromasa SUZUKI

Date: \_\_\_\_\_  
(Signature of inventor) Yuki KIDO

Date: \_\_\_\_\_  
(Signature of inventor) Minoru ITO

Date: Mar. 19, 2021 Sho Hoshino  
(Signature of inventor) Sho HOSHINO

Date: \_\_\_\_\_  
(Signature of inventor) Shin NAKAYAMA