

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5756634

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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>           |
| MASAHIRO HARA   | 08/19/2019                      |
| HIROAKI NAGASE  | 08/19/2019                      |
| KEI AMAMOTO   | 08/30/2019                      |
| <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-KEN           |
| <b>State/Country:</b>   | JAPAN                           |
| <b>Postal Code:</b>   | 471-8571                        |
| <b>Name:</b>  | ADVICS CO., LTD.                |
| <b>Street Address:</b>  | 2-1, SHOWA-CHO                  |
| <b>City:</b>  | KARIYA-SHI, AICHI-KEN           |
| <b>State/Country:</b>   | JAPAN                           |
| <b>Postal Code:</b>   | 448-8688                        |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                 |
| <b>Property Type</b>  | <b>Number</b>                   |
| Application Number:   | 16593426                        |
| <b>CORRESPONDENCE DATA</b>  |                                 |
| <b>Fax Number:</b>  | (248)647-5210                   |
| <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> |                                 |
| <b>Phone:</b>   | 248-647-6000                    |
| <b>Email:</b>   | mara.dagostini@dinsmore.com     |
| <b>Correspondent Name:</b>  | DINSMORE & SHOHL LLP            |
| <b>Address Line 1:</b>  | 900 WILSHIRE DRIVE              |
| <b>Address Line 2:</b>  | SUITE 300                       |
| <b>Address Line 4:</b>  | TROY, MICHIGAN 48084            |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 94373-52 (08TMCP14802PA)        |
| <b>NAME OF SUBMITTER:</b>   | CRAIG E. NEIHEISEL              |

|   |                      |
|---|----------------------|
| <b>SIGNATURE:</b>   | /CRAIG E. NEIHEISEL/ |
| <b>DATE SIGNED:</b>   | 10/07/2019           |
| <b>Total Attachments: 4</b><br>source=Assignment#page1.tif<br>source=Assignment#page2.tif<br>source=Assignment#page3.tif<br>source=Assignment#page4.tif |                      |

## ASSIGNMENT

WHEREAS, we, (1)Masahiro HARA, (2)Hiroaki NAGASE of c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan, and (3)Kei AMAMOTO of c/o ADVICS CO., LTD., 2-1, Showa-cho, Kariya-shi, Aichi-ken 448-8688 Japan hereinafter the *ASSIGNOR(S)*, invented certain new and useful improvements in **BRAKE CONTROL APPARATUS FOR VEHICLE** for which we executed an application for a United States Patent and for which said application for United States Patent was filed on October 4, 2019, under

☒ Patent Application Serial No. 16/593,426

☒ Attorney Docket No. 94373-52 (08TMCP14802PA);

WHEREAS, the *ASSIGNORS* hereby authorize and request the attorney(s) and/or agent(s) empowered to act on **Toyota Jidosha Kabushiki Kaisha and ADVICS CO., LTD.**'s behalf in the aforementioned application, to insert above the filing date, application number and/or Attorney Docket No. of said application, when known;

WHEREAS, **Toyota Jidosha Kabushiki Kaisha**, a business of Japan, with a place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan, and **ADVICS CO., LTD.**, a business of Japan, with a place of business at 2-1, Showa-cho, Kariya-shi, Aichi-ken 448-8688 Japan hereinafter called the *ASSIGNEE(S)*, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any Letters Patent that may issue thereon;

AND, WHEREAS, it is the intent of the *ASSIGNOR(S)* to assign all rights to the above referenced application to the *ASSIGNEES*, including, but not limited to, all substantive rights in the above-referenced application as well as the right to claim priority, the right to be granted a patent in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States;

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, *ASSIGNOR(S)* hereby sell, assign and transfer unto said *ASSIGNEE(S)*, its successors and assigns, the entire right, title and interest, including the right to claim priority in and to said application, the inventions therein disclosed, and any improvements thereon, and in any and all Letters Patent that may be granted therefor in the United States and its territorial possessions and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, and in and to any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof;

*ASSIGNOR(S)* hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, to issue, when granted, any Letters Patent thereon, and any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof, to said *ASSIGNEE(S)*, its successors and assigns, as the assignee of the entire right title and interest in and to the same, for the sole use and behalf of the *ASSIGNEE(S)* and the *ASSIGNEE*'s successors and assigns, to the full end of the term for which the Letters Patent may be granted, including the term of any and all divisions, continuations, substitutions, renewals,

re-examinations, extensions and reissues thereof, as fully and entirely as the same would have been held by the *ASSIGNOR(S)* had this assignment not been made;

*ASSIGNOR(S)* hereby authorize said *ASSIGNEE(S)*, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof; and

*ASSIGNOR(S)* hereby agree that, upon request, *ASSIGNOR(S)* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEE(S)*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States application or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof.

ASSIGNOR(S):

By: Masahiro Hara  
Masahiro HARA

Date: August 19, 2019

By: Hiroaki Nagase  
Hiroaki NAGASE

Date: August 19, 2019

By: \_\_\_\_\_  
Kei AMAMOTO

Date: \_\_\_\_\_

## ASSIGNMENT

WHEREAS, we, (1)Masahiro HARA, (2)Hiroaki NAGASE of c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan, and (3)Kei AMAMOTO of c/o ADVICS CO., LTD., 2-1, Showa-cho, Kariya-shi, Aichi-ken 448-8688 Japan hereinafter the *ASSIGNOR(S)*, invented certain new and useful improvements in **BRAKE CONTROL APPARATUS FOR VEHICLE** for which we executed an application for a United States Patent and for which said application for United States Patent was filed on October 4, 2019, under

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NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, *ASSIGNOR(S)* hereby sell, assign and transfer unto said *ASSIGNEE(S)*, its successors and assigns, the entire right, title and interest, including the right to claim priority in and to said application, the inventions therein disclosed, and any improvements thereon, and in any and all Letters Patent that may be granted therefor in the United States and its territorial possessions and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, and in and to any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof;

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re-examinations, extensions and reissues thereof, as fully and entirely as the same would have been held by the *ASSIGNOR(S)* had this assignment not been made;

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*ASSIGNOR(S)* hereby agree that, upon request, *ASSIGNOR(S)* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEE(S)*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States application or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof.

ASSIGNOR(S):

By: \_\_\_\_\_  
Masahiro HARA

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Hiroaki NAGASE

Date: \_\_\_\_\_

By: Kei AMAMOTO  
Kei AMAMOTO

Date: Aug. 31 30 2019