

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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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> |
|                                                                                                                                                                                                 | NISSIN KOGYO CO., LTD.                       | 06/13/2016            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                              |                       |
| <b>Name:</b>                                                                                                                                                                                    | AUTOLIV NISSIN BRAKE SYSTEMS JAPAN CO., LTD. |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 840, KOKUBU, UEDA-CITY                       |                       |
| <b>City:</b>                                                                                                                                                                                    | NAGANO                                       |                       |
| <b>State/Country:</b>                                                                                                                                                                           | JAPAN                                        |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                              |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>                         | <b>Number</b>         |
|                                                                                                                                                                                                 | <b>Application Number:</b>                   | 15171718              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                              |                       |
| <b>Fax Number:</b>                                                                                                                                                                              |                                              |                       |
| <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>Email:</b>                                                                                                                                                                                   | mfraley@rmsclaw.com                          |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | ANDREW M. CALDERON                           |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 7918 JONES BRANCH DRIVE, SUITE 500           |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | MCLEAN, VIRGINIA 22102                       |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | ANDREW M. CALDERON                           |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Andrew M. Calderon/                         |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 07/06/2016                                   |                       |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                              |                       |
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| source=NGB Assignment to ANBJ#page2.tif                                                                                                                                                         |                                              |                       |

ASSIGNMENT

WHEREAS, **NISSIN KOGYO CO., LTD.**, a corporation organized and existing under the laws of Japan, whose post office address is 840, Kokubu, Ueda-city, Nagano, Japan, hereinafter referred to as the ASSIGNOR, is desirous of assigning the entire right, title and interest for the United States in and to said applications and U.S. Letters Patent as listed in Schedule "A" filed and/or to be filed in the U.S. Patent and Trademark Office (USPTO), including any and all divisions, continuations, reissues, reexaminations, renewals and prolongations that arise therefrom, and any and all U.S. Letters Patent which may be granted thereon.

AND WHEREAS, **AUTOLIV NISSIN BRAKE SYSTEMS JAPAN CO., LTD.**, a corporation organized and existing under the laws of Japan, whose post-office address is 840, Kokubu, Ueda-city, Nagano, Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said applications and U.S. Letters Patent as listed in Schedule "A", including any and all divisions, continuations, reissues, reexaminations, renewals and prolongations that arise therefrom, and any and all U.S. Letters Patent which may be granted thereon.

AND WHEREAS, ASSIGNOR represents and warrants that: (i) it has the legal right and power to enter into this Assignment; and (ii) upon the execution and delivery of this Assignment, this Assignment shall constitute a valid and binding obligation, enforceable in accordance with its terms.

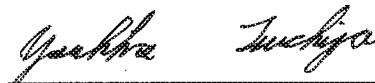
NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR hereby assigns and transfers to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said applications and U.S. Letters Patent as listed in Schedule "A", for the United States, including any and all divisions, continuations, reissues, reexaminations, renewals and prolongations thereof, and any and all U.S. Letters Patent which may be granted thereon, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such U.S. Letters Patent when granted, including any and all renewals, reissues, reexaminations and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR hereby agrees to execute all papers and to take all actions necessary to assist in the prosecution and maintenance of such applications and U.S. Letters Patent as listed in Schedule "A", including any and all divisions, continuations, reissues, reexaminations, renewals and prolongations that arise therefrom and any and all U.S. Letters Patent which may be granted thereon, in administrative proceedings before the USPTO.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents to issue Letters Patent on said applications, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The below signatory warrants that he/she is the authorized agent of the ASSIGNOR and he/she represents and that he/she has the authority to enter into the Agreement and to bind the ASSIGNOR thereto.

IN TESTIMONY WHEREOF, this assignment is executed by **Yasuhiko Tsuchiya**, General Manager of ASSIGNOR, this 13 day of June, at 840, Kokubu, Ueda-city, Nagano, Japan.

  
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**Yasuhiko Tsuchiya**  
General Manager

# SCHEDULE "A"

| No. | Assignor Ref. No. | Application Serial No. | U.S. Letters Patent |
|-----|-------------------|------------------------|---------------------|
| 1   | 581A-US           | 14/716099              |                     |
| 2   | 589-US            | 12/949253              |                     |
| 3   | 632-US            | 13/488939              | 9283941             |
| 4   | 641-US            | 13/645992              | 9283938             |
| 5   | 644-US            | 13/653876              |                     |
| 6   | 646-US            | 13/669035              |                     |
| 7   | 655-US            | 13/724716              | 9248814             |
| 8   | 692-US            | 14/047466              | 9221448             |
| 9   | 693-US            | 14/051081              | 9260098             |
| 10  | 697-US            | 14/080423              |                     |
| 11  | 698-US            | 14/080413              |                     |
| 12  | 699-US            | 14/082720              |                     |
| 13  | 701-US            | 14/134407              | 9199620             |
| 14  | 711-US            | 14/224671              |                     |
| 15  | 716-US            | 14/285016              |                     |
| 16  | 717-US            | 14/300672              |                     |
| 17  | 721-US            | 14/306735              | 9168903             |
| 18  | 722-US            | 14/307920              |                     |
| 19  | 729-US            | 14/560276              |                     |
| 20  | 730-US            | 14/560286              |                     |
| 21  | 731-US            | 14/574812              |                     |
| 22  | 733-US            | 14/547842              |                     |
| 23  | 735-US            | 14/541958              |                     |
| 24  | 736-US            | 14/579269              |                     |
| 25  | 737-US            | 14/608380              |                     |
| 26  | 738-US            | 14/574875              |                     |
| 27  | 740-US            | 14/541898              |                     |
| 28  | 745-US            | 14/658708              |                     |
| 29  | 747-US            | 14/632574              |                     |
| 30  | 748-US            | 14/663512              |                     |
| 31  | 761-US            | 14/869352              |                     |
| 32  | 762-US            | 14/869386              |                     |
| 33  | 763-US            | 14/944304              |                     |
| 34  | 764-US            | 14/969868              |                     |
| 35  | 765-US            | 15/061270              |                     |
| 36  | 768-US            | 15/040511              |                     |
| 37  | 773-US            | 15/040474              |                     |
| 38  | 731A-US           | 15/171718              |                     |

PATENT