

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shinji Kitaoka	03/23/2009
Keisuke Atsumi	03/23/2009
Koji Takaira	03/24/2009
Seiji Hiroshima	03/23/2009
Takaaki Shimizu	03/23/2009

RECEIVING PARTY DATA

Name:	AISIN AI CO., LTD.
Street Address:	1, Shiroyama, Ojima-cho, Nishio-shi
City:	Aichi-ken
State/Country:	JAPAN

Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA
Street Address:	1, Toyota-cho, Toyota-shi
City:	Aichi-ken
State/Country:	JAPAN
Postal Code:	471-8571

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12412875

CORRESPONDENCE DATA

Fax Number: (703)836-7419
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 7038366620
 Email: danielle.carro@bipc.com
 Correspondent Name: Buchanan Ingersoll & Rooney
 Address Line 1: PO Box 1404

OP \$40.00 12412875

Address Line 4: Alexandria, VIRGINIA 22313-1404

ATTORNEY DOCKET NUMBER:

1033228-000212

NAME OF SUBMITTER:

Matthew L. Schneider

Total Attachments: 10

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ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by (1) Shinji KITAOKA, (2) Keisuke ATSUMI, (3) Koji TAKAIRA, (4) Seiji HIROSHIMA, and (5) Takaaki SHIMIZU, residing at (1) Tokai-shi, Aichi-ken, Japan, (2) Anjo-shi, Aichi-ken, Japan, (3) Okazaki-shi, Aichi-ken, Japan, (4) Okazaki-shi, Aichi-ken, Japan and (5) Takaaki SHIMIZU (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in HELICAL GEAR AND METHOD OF MANUFACTURING THE SAME set forth in an application for Letters Patent of the United States, which is a

- (1) provisional application
 - (a) bearing Application No. _____, and filed on _____;
 - (b) to be filed herewith; or
- (2) non-provisional application
 - (a) bearing Application No. _____, and filed on _____;
 - (b) having an oath or declaration executed on even date herewith prior to filing of application;
 - (c) having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, AISIN AI CO., LTD and TOYOTA JIDOSHA KABUSHIKI KAISHA, corporations duly organized under and pursuant to the laws of JAPAN and JAPAN, and having principal places of business at 1, Shiroyama, Ojima-cho, Nishio-shi, Aichi-ken, Japan, and 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan, respectively (hereinafter referred to as "the Assignees"), are desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignees, their successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignees, for its own use and behoof and the use and behoof of their successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignees, their successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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Attorney Docket No. _____

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AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignees as the Assignees of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignees, their successors, legal representatives, and assigns.

DATE (March 23, 2009) EKF (Shinji Kitaoaka)) 2009年3月23日
Shinji KITAOKA

DATE () EKF ()) 2009年3月23日
Katsuke ATSUMI

DATE X X
Koji TAKAIRA

DATE X X
Seiji HIROSHIMA

DATE X X
Takaaki SHIMIZU

DATE _____

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Application No. _____

Attorney Docket No. _____

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AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known,

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DATE () EXA () ~~2009/03/23~~
Shinji KITAOKA

DATE (March 23, 2009) EXA (K. Atsumi) 2009/03/23
Kaisuke ATSUMI

DATE X X
Koji TAKAIRA

DATE X X
Seiji HIROSHIMA

DATE X X
Takaaki SHIMIZU

DATE _____

DATE _____

DATE _____

DATE _____

ASSIGNMENT

(JOINT)

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Attorney Docket No. _____

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DATE _____ X

_____ X
Shinji KITAOKA

DATE _____ X

_____ X
Katsuke ATSUMI

DATE (March 24, 2009) filed

(Koji Takaira)
Koji TAKAIRA

高橋 孝久
09/12

DATE _____ X

_____ X
Seiji HIROSHIMA

DATE _____ X

_____ X
Takaaki SHIMIZU

DATE _____

DATE _____

DATE _____

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DATE _____ X

X

Shinji KITAOKA

DATE _____ X

X

Katsuke ATSUMI

DATE _____ X

X

Koji TAKAIRA

DATE (March 23, 2009) EKT

(Seiji Hiroshima) 本人署名
41-

Seiji HIROSHIMA

DATE _____ X

X

Takaaki SHIMIZU

DATE _____

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DATE _____ X _____
Shinji KITAOKA

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Keizuke ATSUMI

DATE _____ X _____
Koji TAKAIRA

DATE _____ X _____
Seiji HIROSHIMA

DATE (March 23, 2009) B149 (Takaaki Shimizu) _____
Takaaki SHIMIZU

Exhibit
4-1

DATE _____

DATE _____

DATE _____

DATE _____
