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PATENT ASSIGNMENT

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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| Yoshiaki ANDO | 07/13/2012 |
| Masayuki TAKESHIMA | 07/13/2012 |
| lkuko HIROTA | 07/13/2012 |

RECEIVING PARTY DATA

| Name: | JTEKT Corporation | |
|-----------------|-----------------------------------|--|
| Street Address: | 5-8, Minamisemba 3-Chome, Chuo-ku | |
| City: | Osaka-shi, Osaka | |
| State/Country: | JAPAN | |
| Postal Code: | 542-8502 | |

PROPERTY NUMBERS Total: 1

| Property Type | Гуре Number | |
|---------------------|-------------|--|
| Application Number: | 13578729 | |

CORRESPONDENCE DATA

 Fax Number:
 7034132220

 Phone:
 (703) 413-3000

 Email:
 asomaiel@oblon.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 401108US71PCT |
|-------------------------|---------------|
| NAME OF SUBMITTER: | Adel Samuel |

Total Attachments: 2

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PATENT REEL: 028788 FRAME: 0591 IOP \$40.00 13578729

Assignment of Application

| WHEREAS, I (WI | E) Yoshiaki ANDO of Chir | yu-shi, Aichi, Jap | an, | | | |
|-------------------------------------|---|---|---|--|---------------------------|----|
| | Masayuki TAKESHIMA | A of Okazaki-shi, A | Aichi, Japan and | 1 | | _ |
| - | Ikuko HIROTA of Kariy | /a-shi, Aichi, Japa | n | | | |
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| | | | | | , respective | iy |
| have invented cer | tain new and useful improve | | ···· | | - | _ |
| | MACHIN | ING METHOD FO | OR CONCAVE | -CONVEX GEAL | R | _ |
| (Application No. | 13/578,729 | , filed | August 13, | 2012 |), ar | ıd |
| WHEREAS, | JTEKT Corporation | | | | | |
| Osaka-shi, Osaka interest in and to | red to as "ASSIGNEES") 542-8502 Japan, respective said invention and in and to the essions and in any and all for | ely are desirous o any Letters Pater | f jointly acquir | ing interests in t | he entire right, title ar | ıd |

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 therefor 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 and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives 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, their 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 Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 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: | July 13, 2012 | Yoshiaki Ando |
|---------|---------------|---|
| Date: | July 13, 2012 | (Signature of Inventor) Yoshiaki ANDO Masayuki Takeshima |
| _ | | (Signature of Inventor) Masayuki TAKESHIMA |
| Date: _ | July 13, 2012 | Tkuko Hirota (Signature of Inventor) Ikuko HIROTA |
| Date: _ | | (Signature of Inventor) |
| Date: _ | | |
| D . | | (Signature of Inventor) |
| Date: _ | | (Signature of Inventor) |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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PATENT REEL: 028788 FRAME: 0593