

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MASAFUMI YAMAMOTO</td><td>11/12/2013</td></tr><tr><td>YOSHIFUMI OKITSU</td><td>11/12/2013</td></tr><tr><td>MAKOTO IWASAKI</td><td>11/19/2013</td></tr></tbody></table>		Name	Execution Date	MASAFUMI YAMAMOTO	11/12/2013	YOSHIFUMI OKITSU	11/12/2013	MAKOTO IWASAKI	11/19/2013		
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<table border="1"><tr><td>Name:</td><td>HARMONIC DRIVE SYSTEMS INC.</td></tr><tr><td>Street Address:</td><td>25-3, MINAMIOI 6-CHOME</td></tr><tr><td>City:</td><td>SHINAGAWA-KU, TOKYO</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>140-0013</td></tr></table>		Name:	HARMONIC DRIVE SYSTEMS INC.	Street Address:	25-3, MINAMIOI 6-CHOME	City:	SHINAGAWA-KU, TOKYO	State/Country:	JAPAN	Postal Code:	140-0013
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
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PATENT

ATTORNEY DOCKET NUMBER:	1030673-000313
NAME OF SUBMITTER:	DANIELLE CARRO
Signature:	/DMCarro/
Date:	02/25/2014
Total Attachments: 2 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif	

# ASSIGNMENT

## (JOINT)

THIS ASSIGNMENT, by Masafumi YAMAMOTO, Yoshifumi OKITSU, and Makoto IWASAKI, residing at Azumino-shi, Nagano, Japan, Azumino-shi, Nagano, Japan, and Nagoya-shi, Aichi, Japan respectively (hereinafter referred to as "the Assignors"), witnesseth:

WHEREAS, the Assignor has invented certain new and useful improvements in

POSITIONING CONTROL SYSTEM FOR ACTUATOR PROVIDED WITH WAVE GEAR  
DEVICE

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, Harmonic Drive Systems Inc. and National University Corporation Nagoya Institute of Technology, corporations duly organized under and pursuant to the laws of Japan and having a principal place of business at 25-3, Minamioi 6-chome, Shinagawa-ku, Tokyo, 140-0013 Japan and 29, Aza Kiichi, Gokiso-cho, Showa-ku, Nagoya-shi, Aichi, 466-8555 Japan (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, its 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 its 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, its 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;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignees, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignees, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignees, its successors, legal representatives, and assigns, but at the cost and expense of the Assignees, its successors, legal representatives, and assigns;

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 inventions, the Letters Patent to be issued for the sole use and behoof of the Assignees, its successors, legal representatives, and assigns.

DATE November 12, 2013

Masafumi YAMAMOTO  
Masafumi YAMAMOTO

DATE November 12, 2013

Yoshifumi OKITSU  
Yoshifumi OKITSU

DATE November 19, 2013

Makoto IWASAKI  
Makoto IWASAKI