



10-31-2002



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Attorney's Docket No. 030673-142

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 10/25/02
Masaru KOBAYASHI

2. Name and address of receiving party(ies):
Name: Harmonic Drive Systems Inc.
Address: 25-3, Minamioi 6-chome, Shinagawa-ku
Tokyo, 140-0013 JAPAN

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:
[] Assignment [] Merger
[] Security Agreement [] Change of Name

Other: Correction of serial number in Assignment recorded at reel 13118, Frame 0507

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: 02 July 2002

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
10/146,928

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William C. Rowland
Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR § 3.41): \$ 40.00
[X] Enclosed
[X] Authorized to be charged to deposit account, if necessary

8. Deposit account number:
02-4800

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William C. Rowland, R.N. 30,888
Name of Person Signing

William C. Rowland
Signature

10/23/02
Date

Total number of pages including cover sheet, attachments, and document: 6

10/30/2002 BYRNE 0000063 10146928

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40.00 Documents to be recorded with required cover sheet information to:

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07-29-2002

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



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102171947

Attorney's Docket No. 030673-142

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Masaru KOBAYASHI 7.22.02

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name

Other: _____

Execution Date: 02 July 2002

2. Name and address of receiving party(ies):

Name: Harmonic Drive Systems Inc.

Address: 25-3, Minamioi 6-chome, Shinagawa-ku
Tokyo, 140-0013 JAPAN

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
10/150,965

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William C. Rowland

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404

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Enclosed

Authorized to be charged to deposit account, if necessary

8. Deposit account number:
02-4800

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William C. Rowland, R.N. 30,888
 Name of Person Signing

William Rowland
 Signature

7-22-02
 Date

Total number of pages including cover sheet, attachments, and document: 3

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07/26/2002 TDIAZ1 00000064 10150965
 01 FC:581 40.00 DP

(10/01)

PATENT
 REEL: 013426 FRAME: 0038

COPY

030673-142

Attorney's Docket No.

ASSIGNMENT (SOLE)

THIS ASSIGNMENT, by MASARU KOBAYASHI, residing at NAGANO-KEN, JAPAN (hereinafter referred to as "the Assignor"), witnesseth:

WHEREAS, the Assignor has invented certain new and useful improvements in NON-LUBRICATED WAVE GEAR DEVICE set forth in an application for Letters Patent of the United States,

- (1) which is a provisional application
- (a) bearing Application No. __, and filed on _;
- (b) to be filed herewith; or
- (2) which is a non-provisional application
- (a) bearing Application No. 10/146,988, and filed on MAY 17, 2002;
- (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., a corporation duly organized under and pursuant to the laws of JAPAN, and having its principal place of business at 25-3, MINAMIOI 6-CHOME, SHINAGAWA-KU, TOKYO, 140-0013 JAPAN (hereinafter referred to as "the Assignee"), is 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, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, 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 application, 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 Assignee, for its own use and behalf and the use and behalf 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 Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner 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 Assignor has 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 Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, 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 Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby authorizes and requests the attorneys of BURNS, DOANE, SWECKER & MATHIS, L.L.P. of Alexandria, Virginia to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date July - 2 - '02 Signature of Assignor Masaru Kobayashi
Masaru KOBAYASHI



UNITED STATES
PATENT AND
TRADEMARK OFFICE

SEPTEMBER 25, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

BURNS, DOANE, SWECKER & MATHIS, L.L.P.
WILLIAM C. ROWLAND
P.O. BOX 1404
ALEXANDRIA, VA 22313-1404



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/22/2002

REEL/FRAME: 013118/0507
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KOBAYASHI, MASARU

DOC DATE: 07/02/2002

ASSIGNEE:
HARMONIC DRIVE SYSTEMS INC.
25-3, MINAMIOI 6-CHOME, SHINAGAWA-
KU
TOKYO, 140-0013, JAPAN

SERIAL NUMBER: ~~10150965~~ 10/146,928
PATENT NUMBER:

FILING DATE: ~~05/21/2002~~ 05/17/2002
ISSUE DATE:

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

OCT 3 02

nda 1-13
yo kazawa
030673-142
wcr

RECORDED: 10/25/2002

PATENT
REEL: 013426 FRAME: 0041