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Docket No.: 04452/011001

FORM PTO-1595 (Modified)
(Rev. 6-93)
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100867169

COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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

1. Name of conveying party(ies):

Norio SHIROKOSHI

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

Name: HARMONIC DRIVE SYSTEMS INC.

Internal Address: _____

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Street Address: 25-3, Minamiohi 6-chomeShinagawa-ku, Tokyo 140-0013 JAPAN

City: _____ State: _____ ZIP: _____

Execution Date: September 24, 1998Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

09/149,160

Additional numbers attached? ☐ Yes ☒ No

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

Name: Jonathan P. Osha

Internal Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

500-591

11/03/1998 JMWTKINS 00000298 09149160

01 FC:501

Street Address: ROSENTHAL & OSHA L.L.P.700 Louisiana, Suite 4550City: HoustonState: TX ZIP: 77002

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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.

Adenike Adewuya

Name of Person Signing

Adenike Adewuya

Signature

10/20/98

Date

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

4

PATENT

REEL: 9549 FRAME: 0432

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)Applicant(s): **Norio SHIROKOSHI**

Docket No.

04452/011001

Serial No.

09/149,160

Filing Date

September 4, 1998

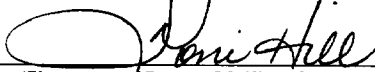
Examiner

Group Art Unit

3622Invention: **PLANETARY GEAR DEVICE HAVING A BACKLASH ADJUSTING MECHANISM**I hereby certify that this **Assignment***(Identify type of correspondence)*

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Assistant Commissioner for Patents, Washington, D.C. 20231 on

10.20.98*(Date)***Toni Hill***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***Note: Each paper must have its own certificate of mailing.**

Assignment – U.S. Rights Only

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

HARMONIC DRIVE SYSTEMS INC.

having the following address:

25-3, Minamiohi 6-chome, Shinagawa-ku, Tokyo, 140-0013 JAPAN

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention known by the following title:

PLANETARY GEAR DEVICE HAVING A BACKLASH ADJUSTING MECHANISM

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all United States Letters Patents which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

Where this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.:

Filing Date:

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, reexaminations, reissues and amendments thereof, and all interference proceedings associated therewith, or which may be otherwise necessary or desirable to secure the title thereto to COMPANY;

ROSENTHAL & OSHA L.L.P.

PATENT
REEL: 9549 FRAME: 0434

2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patents resulting from said application, including without limitation any division, continuation, continuation-in-part, reexamination or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

Sep-24-'98
Date

Signature: N. Shirokoshi
Print or Type Name: Norio SHIROKOSHI

Date

Signature: _____
Print or Type Name: _____

Date

Signature: _____
Print or Type Name: _____

Date

Signature: _____
Print or Type Name: _____

Date

Signature: _____
Print or Type Name: _____

This Assignment may be signed before a U.S. Notary Public or before two witnesses who sign below:

Date

Signature of Witness: _____
Print or Type Name: _____

Date

Signature of Witness: _____
Print or Type Name: _____

