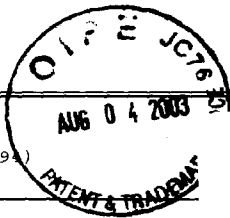


Form PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



08-07-2003

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original documents or copy thereof

102517954

1. Name of conveying party(ies):

Hiroshi Aida

Additional name(s) of conveying
party(ies) attached?

☐ Yes ☒ no

2. Name and address of receiving party(ies)

Name: NSK LTD.

Address: 6-3, Ohsaki 1-chome,
Shinagawa-ku, Tokyo, JAPAN

Additional name(s) & address(es) attached?

☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: January 31, 2003

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: January 31, 2003

A. Patent Application No.(s)

10/312,689

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom
correspondence concerning document
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Crowell & Moring LLP
Intellectual Property Group
P.O. Box 14300
Washington, D.C. 20044-4300

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
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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
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Name: Herbert I. Cantor, Reg. No. 24,392

August 1, 2003

Date

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08/07/2003 6TOM11 00000026 10312689

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ASSIGNMENT

WHEREAS, (1) AIDA Hiroshi

citizen(s) of (2) Japan whose address(es) is (are) (3) c/o NSK LTD., 1-5-50,

Kugenumashinmei, Fujisawa-shi, Kanagawa-ken, Japan

respectively, (hereinafter collectively ASSIGNOR) has invented certain new and useful improvements in
(4) Pulley Apparatus with Built-in Roller Clutch and Assembly Method Thereof
for which application for Letters Patent of the United States (5) is about to be (has been) made; and

WHEREAS, (6) NSK LTD.

a (7) corporation, of (8) Japan whose address is 6-3, Ohsaki

1-chome, Shinagawa-ku, Tokyo, Japan

(hereinafter ASSIGNEE) is desirous of acquiring
all right, title, and interest in the United States in and to the aforesaid invention, and in, to and under any and all
United States Patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the
receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has and by these presents does hereby sell,
assign and transfer unto ASSIGNEE, its successors and assigns, his entire right, title and interest in and to said
invention as described in the application Serial Number _____, executed (filed) on _____

**(Crowell & Moring, LLP, are hereby authorized to insert the execution date, filing date, Serial Number or other
appropriate identifying data when known)** in any form or embodiment thereof, and in and to the aforesaid
application; also his entire right, title and interest in and to any and all patents, reissues or extensions thereof to be
obtained in the United States on said invention, and any divisional, continuation, continuation-in-part, or substitute
applications which may be filed on said invention in the United States; and the issuing authority is hereby authorized
and requested to issue any and all patents on said invention to ASSIGNEE.

ASSIGNOR further agrees without any payment by ASSIGNEE, other than expenses incurred by
ASSIGNOR, to communicate to ASSIGNEE, its representatives or agents, facts relating to said invention, including
evidence for interference purposes or for other proceedings, whenever requested; to testify in any interference or
other proceedings, whenever requested; and to execute and deliver on request all lawful papers required to make
any of the foregoing provisions effective, and likewise make these provisions binding upon any heirs, legal
representatives, administrators and assigns, and ASSIGNOR hereby warrants that, at the time of execution and
delivery of this instrument, he is the lawful owner of the entire right, title and interest in and to said invention and said
application, and that the same are unencumbered and that he has good and full right and lawful authority to sell and
convey the same in the manner herein set forth.

IN WITNESS WHEREOF, ASSIGNOR hereunto sets his hand and seal this (10) 31st
day of January, 2003.

Witnesses:

(12) _____

(12) _____

(11) Aida Hiroshi L.S.
Typed Name: AIDA Hiroshi

(11) _____ L.S.
Typed Name: _____

(11) _____ L.S.
Typed Name: _____

(11) _____ L.S.
Typed Name: _____