

12-29-1999



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FEET

U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(T)4644

To the Honorable Commissioner of Patents and Trademarks

The attached original documents or copy thereof.

1. Name of conveying party(ies):
Makoto Nomura and Katsuji SugiuraAdditional name(s) of conveying party(ies) attached ☐ Yes ☒ No

12-13-99

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: November 12, 1999

2. Name and address of receiving party(ies)

Name: TRW Automotive Japan Co., Ltd. and
Hekikai Kouki Co. Ltd.Street Address: Randic Nagai Bldg.
9-9, Tsukiji 3-Chome,
Chuo-ku,
Tokyo Japan

and

8-banchi, Higashi,
Yonnowariyokomichi
Terazu-cho, Nishio-shi,
Aichi-ken, JapanAdditional name(s) and address(es) attached? ☐ Yes ☒ 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)

B. Patent No.(s)

U.S. Patent Application Serial No. 09/440,611, filed
November 15, 1999Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:

Name: Thomas L. Tarolli

Internal Address: Tarolli, Sundheim, Covell,
Tummino & Szabo L.L.P.

1111 Leader Building

Street Address: 526 Superior Avenue

City: Cleveland State: Ohio Zip: 44114-1400

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090

(Attach duplicate copy of this page if paying by deposit account)

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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

Thomas L. Tarolli
Name of Person Signing
Reg. No. 20,177

Signature

Date

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

ASSIGNMENT

WHEREAS, WE: Makoto NOMURA of 1-792, Dai2kodan,
Kamiiidakitamachi, Kita-ku, Nagoya-shi, Aichi-ken, Japan and Katsuji
SUGIURA of c/o Hekikai Kouki Co. Ltd., 8-banchi, Higashi,
Yonnowariyokomichi, Terazu-cho, Nishio-shi, Aichi-ken, Japan, have made
new and useful improvements in

COMPOSITE CORE FOR CASTING

WHEREAS, TRW Automotive Japan Co., Ltd. and
HEKIKAI KOUKI CO. LTD., corporations duly organized and existing under
the laws of Japan, having places of business at Randic - Nagai Bldg.
9-9, Tsukiji 3-chome, Chuo-ku, Tokyo and 8-banchi, Higashi,
Yonnowariyokomichi, Terazu-cho, Nishio-shi, Aichi-ken, Japan are desirous
of acquiring the entire right, title, and interest in and to the said
improvements and all patents therefor to be obtained in the United States of
America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations
to us paid, the receipt whereof is hereby acknowledged, we, the said Makoto
NOMURA, and Katsuji SUGIURA, do hereby assign, sell and set over unto
the said TRW Automotive Japan Co., Ltd. and HEKIKAI
KOUKI CO. LTD., their successors or assigns; the entire right, title and
interest in and to the aforesaid improvements and any and all inventions
pertaining thereto, the application for United States patent executed by us
on the date below, all patents granted therefor in the United States of
America and elsewhere, and the right to apply for patents therefor in all
countries foreign to the United States and to claim for such applications the
priority of United States applications, and we hereby request the

Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said TRW Automotive Japan Co., Ltd. and HEKIKAI KOUKI CO. LTD., their successors, or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said TRW Automotive Japan Co., Ltd. and HEKIKAI KOUKI CO. LTD., their successors or assigns in order to fully secure, protect, and preserve their rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said TRW Automotive Japan Co., Ltd. and HEKIKAI KOUKI CO. LTD., their successors or assigns.

Executed this 12 day of November, 1999.

Makoto Nomura

Makoto NOMURA

Katsuji Sugiura

Katsuji SUGIURA