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To the Honorable Commissioner of Patent

101060096

... original documents or copy thereof.

1. Name of conveying party(ies):

Yoshiaki Takahashi, Yuki Yoshida, and Hiroharu Kato

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

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

Name: **(1) Ishikawajima-Harima Heavy Industries Co., Ltd.; (2) Hiroharu Kato**

Internal Address: _____

Street Address: **(1) 2-1, Otemachi 2-chome; (2) 5-31-9, Koganehara**

City: **(1) Chiyoda-ku, Tokyo; Matsudo-shi, Chiba-ken** State: **(1) JAPAN; (2) JAPAN** Zip: _____

Additional name(s) of receiving party(ies) attached? Yes No

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3. Nature of Conveyance:

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

Execution Date: **May 11, 1999**

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: **May 11, 1999**

A. Patent Application No.(s):

B. Patent No.(s):

Additional number(s) attached? Yes No

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

Name: **Jeffrey J. Sopko**

4/1999 DALEXAND 00000065 09317326

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6. Total number of applications and patents involved: **1**

7. Total Fee (37 C.F.R. §3.41) **\$40.00**

- Enclosed
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8. Deposit Account No.

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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.

Jeffrey J. Sopko
Name of Person Signing

May 24, 1999
Date

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

ASSIGNMENT

I/We, the inventor(s) named below [hereinafter referred to as the Assignor(s)], have made an invention entitled:
METHOD FOR ANALYZING FRICTION REDUCTION EFFECTS OF
BUBBLES IN FRICTION-REDUCING SHIP

for which I/we have executed an application for a United States Patent concurrently herewith; and

Ishikawajima-Harima Heavy Industries Co., Ltd.

(Full Name of (check one) [] Sole or [X] First Assignee)

a corporation of Japan
(State and Country of Incorporation)

having the address of 2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan
and

Hiroharu Kato

(Full Name of Second Assignee, if any)

~~a corporation~~ citizen of Japan
(State and Country of Incorporation)

having the address of 5-31-9, Koganehara, Matsudo-shi, Chiba-ken, Japan

[hereinafter referred to as the Assignee(s)], is/are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Patent for this invention, and the Letters Patent to be issued upon this application;

Now, therefore, be it known that, for good and valuable consideration, the receipt of which from the Assignee(s) is hereby acknowledged, I/we, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee(s), its/their lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention in the name of the Assignee(s), its/their successors and assigns, in accordance with the terms of this assignment;

And I/we hereby further covenant and agree that I/we will, without further consideration, communicate with the Assignee(s), its/their successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful documents when called upon to do so, execute and deliver all documents that may be necessary or desirable to perfect the title to this invention in the name of the Assignee(s), its/their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Assignee(s) and its/their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such documents shall be borne by the Assignee(s), its/their successors and assigns.

Full name of (check one) [] Sole or [X] First Assignor	
Signature <u>Yoshiaki Takahashi</u>	Date <u>May 11, 1999</u>
Type <u>Yoshiaki Takahashi</u>	Citizenship <u>Japan</u>

Full name of Second Assignor, if any	
Signature <u>Yuki Yoshida</u>	Date <u>May 11, 1999</u>
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Full name of Third Assignor, if any

Signature Hiroharu Kato Date May 11, 1999

Type Hiroharu Kato Citizenship Japan

Full name of Fourth Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____

Full name of Fifth Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____

Full name of Sixth Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____

Full name of Seventh Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____

Full name of Eighth Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____

Full name of Ninth Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____