

12-12-2000

WB No. 0651-0011 (exp. 4/94)



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Tab settings

To the Honorable Commission

the attached original documents or copy thereof.

1. Name of conveying party(ies):

Toshiaki Uehara  
Takanobu Miki  
Tomofumi Ishino

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

2. Name and address of receiving party(ies)

Name: Ishikawajima-Harima  
Internal Address: Heavy Industries Co., Ltd.

2-1 Ohtemachi 2-chome

Street Address:

Chiyoda-ku

City: Tokyo State: JAPAN ZIP: \_\_\_\_\_

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

3. Nature of conveyance:

MRD 5.20.99

- 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)

09/315,583

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Donald K. Huber

Internal Address: \_\_\_\_\_

McCormick, Paulding & Huber LLP

CityPlace II

Street Address: \_\_\_\_\_

185 Asylum Street

City: Hartford State: CT ZIP: 06103-4102

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

13-0235

(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.

Donald K. Huber  
Name of Person Signing  
(5525-16)

Signature

May 20, 1999  
Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

A S S I G N M E N T

In consideration of value received,

Toshiaki Uehara, Takanobu Miki and Tomofumi Ishino,

hereinafter referred to as "Assignors",  
sell and assign to

Ishikawajima-Harima Heavy Industries Co., Ltd.,

a corporation of Japan , having a place of  
business at

2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as  
"Assignee", the entire right, title and interest in and to an  
invention entitled:

TUNNEL EXCAVATOR

invented by the Assignor and as described in the following:

Japanese Patent Application No.10-141511

and in and to all applications for patent for said invention in  
all countries, and all divisions, reissues, continuations and  
extensions of any of said applications, and all rights of  
priority resulting from the filing of any of said applications;  
and Assignor authorizes and requests any official whose duty is  
to issue patents, to issue any patent on said invention or  
resulting therefrom to said Assignee, and Assignor agrees that on  
request and without further consideration, but at the expense of  
said Assignee, Assignor will communicate to said Assignee or its  
representatives any facts known to Assignor respecting said  
invention and testify in any legal proceeding, sign all lawful  
papers, execute all divisional, continuing or other applications,  
make all rightful oaths and declarations, and generally do  
everything possible to aid said Assignee to obtain and enforce a  
proper patent protection for said invention in all countries.

Subscribed and executed at Tokyo, Japan

May 11, 1999

(Date)

*Toshiaki Uehara.*

Assignor

May 11, 1999

(Date)

*Takanobu Miki*

Assignor

May 11, 1999

(Date)

*Tomofumi Ishino*

Assignor