

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mitsubishi Heavy Industries, Ltd.	02/14/2008
RECEIVING PARTY DATA	
Name:	Mitsubishi Heavy Industries Tunneling Machinery & Geotechnology Co., Ltd.
Street Address:	1 Minami-futami, Futami-cho, Akashi
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Postal Code:	674-0093
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	6347838
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ATTORNEY DOCKET NUMBER:	010408 - DJC (2)
NAME OF SUBMITTER:	David J. Cushing
Total Attachments: 1 source=010408 Assignment 6347838#page1.tif	

CH \$40.00 6347838

Assignment

Whereas, Mitsubishi Heavy Industries, Ltd. of 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, JAPAN, hereinafter referred to as "Assignor", is the owner of an undivided one-half right, title and interest in United States Patent Nos. **6,347,838** ; and

Whereas, Mitsubishi Heavy Industries Tunneling Machinery & Geotechnology Co., Ltd. of 1 Minami-futami, Futami-cho, Akashi, Hyogo Pref., Japan 674-0093, hereinafter referred to as "Assignee", desires to acquire the entire right, title, and interest of Assignor in the said U.S. Patent;

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to the above-named Assignee, its successors and assigns, the entire right, title and interest of Assignor in the said U.S. Patent, and any reissues or re-examinations thereof, together with all claims for damages by reason of past infringement of the said U.S. Patent with the right to Assignee to sue for and collect the same for their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Mitsubishi Heavy Industries, Ltd.

Date: February 14, 2008

By: Kazuhiro Hayashi
KAZUHIRO HAYASHI
Title: General Manager of
Intellectual Property Department