

12/30/03

01-09-2004

DOCKET NO. 2438-077



102645645

ed original documents or copy thereto:

1. Name of conveying party(ies):

1. Sang Ho LEE

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

Name: DAEWOO HEAVY INDUSTRIES & MACHINERY LTD.

Street Address: 7-11, Hwasu-dong, Dong-gu

City: Incheon

Country: Republic of Korea

17548 U.S. PTO
101747274
123003

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: December 22, 2003

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

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is: *December 22, 2003*

A. Patent Application No(s).

10 747 274

B. Patent No(s).

Additional numbers attached? Yes No

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

Name: **LOWE HAUPTMAN GILMAN & BERNER**

Internal Address:

Street Address: **1700 Diagonal Road, Suite 300**

City: **Alexandria** State: **VA** Zip: **22314**

6. Total number of applications and patents involved: one

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

- Enclosed
- Authorized to be charged to deposit account
- Credit Card payment form enclosed

8. Deposit account number: 07-1337

DO NOT USE THIS SPACE

9. Signature.

Randy A. Noranbrock, 42,940

Name of Person, Registration No.

Randy A. Noranbrock
Signature

December 30, 2003

Date

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

Total number of pages including cover sheet, attachment,

CMB No. 0851-0011 (exp. 4/94)

00 FC:
01/06/2004 ARDOF01 00000047 10747274
01 FC:001 775.00 OP

01/06/2004 ARDOF01 00000047 10747274
02 FC:8021 40.00 OP

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Sang Ho LEE
- (2) _____
- (3) _____
- (4) _____
- (5) _____
- (6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Daewoo Heavy Industries & Machinery Ltd.
located at 7-11, Hwasu-dong, Dong-gu, Incheon, Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

Method and Apparatus of Detecting Tool Abnormality in a Machine Tool

- (a) for which an application for United States Letters Patent was filed on , and identified by United States Serial No. ; or
- (b) for which an application for United States Letters Patent was executed on ,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- 1) Sang Ho Lee
Name: Sang Ho LEE
- 2) _____
Name: _____
- 3) _____
Name: _____
- 4) _____
Name: _____
- 5) _____
Name: _____
- 6) _____
Name: _____

December 22, 2003
