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PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mikio Minonishi

Additional name(s) of conveying party(ies) attached?

Yes No

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

Name: KOMATSU LIMITED

Internal Address: 2-3-6 Akasaka,

Minato-ku, Tokyo

Japan

Street Address: Same as above

City: _____ State: _____ Zip: _____

Additional Name(s) & Address(es) attached Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date 11-12-99

4. Application (number(s) or patent number(s): 09/450390

If this document is being filed together with a new application, the execution date of the application is: _____

Attorney Docket No. P99,2504

Additional numbers attached? Yes No

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

Hill & Simpson, P.C.

85th Floor Sears Tower
233 S. Wacker Drive
Chicago, IL 60606

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 any Additional fees

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Name of Person Signing

Signature

November 29, 1999

Date

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PATENT
REEL: 010426 FRAME: 0217

ASSIGNMENT

FOR a valuable consideration, the undersigned,
Mikio MINONISHI

residing at

1200, Manda, Hiratsuka-shi, Kanagawa-ken, Japan

hereby sell, assign, and transfer unto KOMATSU LIMITED a Japanese corporation, the whole right, title and interest in and to a certain invention or improvement in

DISK HEATER AND TEMPERATURE CONTROL APPARATUS

disclosed in an application for Letters Patent of the United States, prepared by the firm of Hill & Simpson, A Professional Corporation of Chicago, Illinois, and executed of even date herewith, said application being identified in the office records of said firm as Case No. , and in our own records as Case No.

, and in and to the United States Letters Patent therefor, when issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may be granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign country.

hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be granted for said invention or improvements to said

KOMATSU LIMITED, 2-3-6, Akasaka, Minato-ku, Tokyo, Japan

For the same consideration, hereby agree that will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning said improvements or betterments of the inventions disclosed in said application, and will cooperate at any time upon request of said assignee or its assigns, at its expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including the execution of new divisional, continuing and reissue applications; will make all rightful oaths, will testify in any proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

Kanagawa, Japan, this 12th day of November, 1999.

Mikio Minonishi

Mikio MINONISHI

WITNESSES:

Sanae Goto

Sanae GOTO