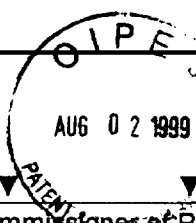


08-04-1999

FORM PTO-1585 (Modified)
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101108629

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

1. Name of conveying party(ies):

Takeshi UEMURA
Akihiro HIRANO
Juichiro UKON

8-299

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

Name: Horiba, Ltd.

Internal Address: _____

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

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

Street Address: 2 Miyano Higashi-machi, Kissyoin,
Minami-ku, Kyoto, Japan

City: _____ State: _____ ZIP: _____

Execution Date: July 9, 1999

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

4. Application number(s) or registration numbers(s):

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

A. Patent Application No.(s)

09/328,684

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Joseph W. Price

Internal Address: _____

Street Address: PRICE, GESS & UBELL

2100 S.E. Main St., Ste. 250,

City: Irvine State: CA ZIP: 92614

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

8. Deposit account number: _____

08/04/1999 DNGUYEN 00000050 09328684

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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.

Joseph W. Price

July 28, 1999

Name of Person Signing

Signature

Date

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

ASSIGNMENT

WHEREAS, I/we, Takeshi UEMURA, Akihiro HIRANO and Juichiro UKON (hereinafter "Assignor(s)"), citizen(s) of Japan, have invented certain new and useful improvements in a COMBUSTION FURNACE SYSTEM FOR ANALYZING ELEMENTS IN A SAMPLE for which I/we have executed application for Letters Patent of the United States, S.N. 09/328,684, filed on June 9, 1999, and

WHEREAS, Horiba, Ltd. hereinafter "Assignee"), a corporation of Japan, having a principal place of business at 2 Miyanohigashi-machi, Kissyoin, Minami-ku, Kyoto, Japan, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application,

NOW, THEREFORE, in consideration of the sum of One Hundred Yen (¥100) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the Assignor(s) have sold, assigned, transferred and set over, unto said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals and continuations thereof, and all Letters Patents of the United States, which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every country of the Union, and all applications for Letters Patents which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patents which may be granted for said improvements in any country or countries foreign to the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, on applications as aforesaid, to issue all Letters Patents for said improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I/WE, HEREBY covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me/us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything

possible to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 9th
day of July, 1999.

Takeshi Uemura

Takeshi UEMURA

IN TESTIMONY WHEREOF, I hereunto set my hand this 9th
day of July, 1999.

Akihiro Hirano

Akihiro HIRANO

IN TESTIMONY WHEREOF, I hereunto set my hand this 9th
day of July, 1999.

Juichiro Ukou

Juichiro UKON