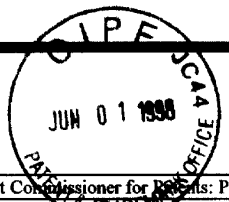


04



FORM P1

06-09-1998



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To the Assistant Commissioner for Patents: Please record the attached information.

1. Name of conveying party(ies):
 Satoshi Nomura
 Shuji Takamatsu
 Motoi Nakao

Additional name of conveying party attached?
 Yes No

2. Name and address of receiving party(ies)

Name Horiba, Ltd.
 Internal Address:
 Street Address: 2 Miyanohigashi-machi
 Kissyojin, Minami-ku

City: Kyoto State: Japan ZIP

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: May 8, 1998

4. Application number(s) or patent numbers:

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

A. Patent Application No. 09/071.332 B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Kurt A. MacLean
 Oppenheimer Wolff & Donnelly LLP
 Internal Address: Suite 3800
 Street Address 2029 Century Park East
 City: Los Angeles State CA ZIP 90067

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:
 16-2230
 (Attach duplicate copy of this page if paying by deposit account)

06/08/1998 JSN:BAZZ 00000160 09071332
 01 C:581 40.00 OP

do not use this space

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.

Kurt A. MacLean
 Kurt A. MacLean Date 5-27-98

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

Mail documents to be recorded with required cover sheet information to:
 Assistant Commissioner for Patents, Box Assignments
 Washington, D.C.

PATENT
 REEL: 9217 FRAME: 0086

1

ASSIGNMENT

WHEREAS, we, Satoshi NOMURA, Shuji TAKAMATSU and Motoi NAKAO (hereinafter "Assignors"), citizens of Japan, have invented certain new and useful improvements in _____ for which we have executed application for Letters Patent of the United States, Serial No. _____, filed on _____

WHEREAS, HORIBA, LTD. a corporation of Japan, having a principal place of business at 2 Miyano Higashi-machi, Kissyojin, Minami-ku, Kyoto, Japan, and Research Institute of Innovative Technology for the Earth _____, a foundation of Japan, having a principal place of business at 9-2, Kizugawadai, Kizu-cho, Soraku-gun, Kyoto, 619-0225

_____ Japan, (hereinafter "Assignees") are desirous of obtaining the entire right, title and interest in equal parts in, to and under the said improvements and the said application,

NOW, THEREFORE, in consideration of the sum of One Hundred Yen (¥100) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the Assignors have sold, assigned, transferred and set over, unto said Assignees, their 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 Assignees, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

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

AND WE HEREBY further covenant and agree that we will communicate to said Assignees, their successors, legal representatives and assigns, any facts known to 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 8th
day of May, 1998.

Satoshi Nomura

Satoshi NOMURA

IN TESTIMONY WHEREOF, I hereunto set my hand this 8th
day of May, 1998.

Shuji Takamatsu

Shuji TAKAMATSU

IN TESTIMONY WHEREOF, I hereunto set my hand this 8th
day of May, 1998.

Motoi NAKAO

Motoi NAKAO