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Patent and Trademark Office

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

1. Name of conveying party(ies):
Hiromichi Tonami and Junichi Ohi
9-7-00
Additional names(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: SHIMADZU CORPORATION
Address: 1, Nishinokyo-kuwabaracho, Nakagyo-ku, Kyoto 604, Japan
City: _____ State/Prov.: _____
Country: _____ ZIP: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: August 30, 2000

4. Application number(s) or registration numbers(s): 09/657223
If this document is being filed together with a new application, the execution date of the application is: 08/30/2000
Patent Application No. _____ Filing date _____
B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: KANESAKA & TAKEUCHI
Registration No. 31,467
Address: 1423 Powhatan Street
City: Alexandria State/Prov.: _____
Country: U.S.A. ZIP: 22314

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: _____

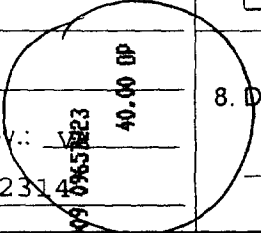
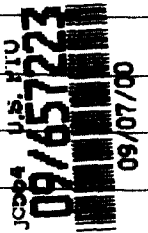
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Manabu Kanesaka
Name of Person Signing _____ Signature _____ Date 9/17/2000

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

PATENT

REEL: 011068 FRAME: 0792



ASSIGNMENT

For value received, We, Hiromichi Tonami and Junichi Ohi
 residing respectively at 29-6-405 Shirie, Oyamazaki, Oyamazaki-cho,
Otokuni-gun, Kyoto-fu, 618-0071, Japan and 10-10 Morinoue,
Mozume, Muko-shi, Kyoto-fu, 617-0001, Japan

hereby sell, assign and transfer to Shimadzu Corporation
 corporations existing under the laws of Japan

located at 1, Nishinokyo-kuwabaracho, Nakagyo-ku, Kyoto 604, Japan
 and its successors, assigns, and legal representatives the entire
 right, title, and interest for all countries including the United
 States of America, in and to certain inventions relating to _____

TWO-DIMENSIONAL ARRAY TYPE RADIATION DETECTOR

described in application for Letters Patent of the United States,
 executed by me/us on this date, and all patents which may be
 granted therefor, and all divisions, reissues, continuations and
 extensions thereof, and authorize and request the Commissioner of
 Patents and Trademarks to issue all patents on said improvements or
 resulting therefrom to said Company as assignee of the entire
 interest, and covenant that I/We have full right so to do, and
 agree that I/We will communicate to said Company or its
 representatives any facts known to me/us respecting said
 improvements and testify in any legal proceedings, sign all lawful
 papers, execute all divisional, continuing and reissue
 applications, make all rightful oaths and generally do everything
 possible to aid said Company, its successors, assigns, and
 nominees, to obtain and enforce proper protection for said
 invention in the United States.

Signature Hiromichi Tonami Date 30 / August, 2000
Hiromichi Tonami

Signature Junichi Ohi Date 30 / August, 2000
Junichi Ohi