

MRD 6-19-98

FORM PTO-1595

07-02-1998

SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100754265

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

1. Name of conveying party(ies):

Michihiko Takase and Bunji MizunoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: **Matsushita Electric Industrial Co. Ltd.**

Internal Address: _____

Street Address: **1006, Kadoma, Kadoma-shi**City: **Osaka 571** State: **Japan** Zip: _____Additional name(s) of receiving party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: **June 1, 1998**

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

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

A. Patent Application No.(s): **09/005,195**

B. Patent No.(s): _____

Additional number(s) attached? ☐ Yes ☒ No

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

Name: **Jeffrey J. Sopko**Street Address: **1200 Leader Building**City: **Cleveland** State: **OH** Zip: **44114-1401**6. Total number of applications and patents involved: **1**7. Total Fee (37 C.F.R. §3.41) **\$40.00**☒ Enclosed☐ Authorized to be charged to Deposit Account

8. Deposit Account No.

16-0820, Order No. 30591

(Attach duplicate copy of this page if paying by deposit account)

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.***Jeffrey J. Sopko**
Name of Person Signing
Signature**June 16, 1998**
Date

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

PATE
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ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in
ION IMPLANTATION APPARATUS AND FABRICATION
METHOD FOR SEMICONDUCTOR DEVICE

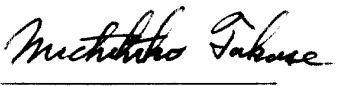
and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signatures of the undersigned, which application is further identified as Pearne, Gordon, McCoy & Granger Docket No. 30591.

MATSUSHITA ELECTRIC
WHEREAS, INDUSTRIAL CO., LTD., a corporation of Japan,
having a place of business at 1006, Kadoma, Kadoma-shi, Osaka 571 Japan,
hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

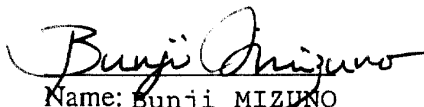
NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Pearne, Gordon, McCoy & Granger the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

	Date I Signed Declaration	Today's Date	
_____	<u>June 1, 1998</u>	<u>June 1, 1998</u>	
Witness			Name: Michihiko TAKASE

_____	Address: 2-3-11-208, Kitasakae, Urayasu-shi, Chiba 279 Japan
Witness	

	Date I Signed Declaration	Today's Date	
_____	<u>June 1, 1998</u>	<u>June 1, 1998</u>	
Witness			Name: Bunji MIZUNO

_____	Address: 1-8-11, Hikarigaoka, Ikoma-shi, Nara 630-01 Japan
Witness	

	Date I Signed Declaration	Today's Date	
_____	_____	_____	_____
Witness			Name:

_____	Address:
Witness	

	Date I Signed Declaration	Today's Date	
_____	_____	_____	_____
Witness			Name:

_____	Address:
Witness	