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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):  
Yasuhiro TAKAHASHI, Koichi OKAMURA, Mituru KOIWA and Yutaka OHASHI2. Name and address of receiving party(ies)?  
MITSUBISHI DENKI KABUSHIKI KAISHA  
2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan

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

☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Names  
☐ Other

Additional name(s) &amp; address(es) attached?

☐ yes ☒ no

Execution Date: April 23/26, 1999

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: April 23/26, 1999

A. Patent Application No.(s)

69344378

Additional numbers attached? ☐ Yes ☒ No

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

Robert J. Seas, Jr.  
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-32136. Total number of applications and registration involved:  
17. Total Fee (37 CFR 3.41): \$40.00  
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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.

  
Robert J. Seas, Jr.

Reg. No. 21,092

June 25, 1999

Date

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PATENT  
REEL: 010065 FRAME: 0804

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Yasuhiro TAKAHASHI, Koichi OKAMURA, Mituru KOIWA and Yutaka OHASHI

hereby sells, assigns and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA  
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled  
ION CURRENT DETECTOR

which was executed by the undersigned on the dates indicated below  
 or was filed on \_\_\_\_\_ and accorded Serial No.  
 \_\_\_\_\_ (hereinafter called the Application) ;

- (ii) any and all inventions and improvements which are described in the Application ;  
 (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent) ;  
 (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and  
 (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

## INVENTOR(S) :

(Yasuhiro TAKAHASHI) Yasuhiro Takahashi  
 (Koichi OKAMURA) Koichi Okamura  
 (Mituru KOIWA) Mituru Koiwa  
 (Yutaka OHASHI) Yutaka Ohashi

## DATE

April 23, 1999  
April 26, 1999  
April 26, 1999  
April 26, 1999

PATENT

RECORDED: 06/25/1999

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