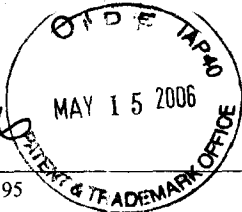
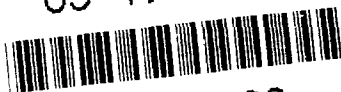


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05-17-2006



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(Rev. 10/02)

REC

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**Docket No.: 061352-0101**

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

**1. Name of Conveying Party(ies):**

Nobuyuki OTSUKA, Koichi MIZUNO, Shigeo YOSHII, and  
Asamira SUZUKI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

**3. Nature of Conveyance:**

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

Execution Date: June 22, 2005 June 24, 2005 June 22, 2005  
June 22, 2005 (respectively)

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

Name: MATSUSHITA ELECTRIC INDUSTRIAL CO.,  
LTD.

Address: 1006, Oaza Kadoma,  
Kadoma-Shi,  
Osaka, 571-8501 JAPAN

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

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

If the document is being filed together with a new application, the execution date of the application is: June 22, 2005  
June 24, 2005  
June 22, 2005  
June 22, 2005  
(respectively)

**A. Patent Application No(s).**

10/542,063 filed July 13, 2005

**B. Patent No(s).**

Additional numbers attached? ☐ Yes ☐ No

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

Name: MCDERMOTT WILL & EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

**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:**

500417

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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.*

Michael E. Fogarty 36,139

Name and Registration No. of Person Signing

Signature

May 12/2006

Total number of pages including cover sheet:

OMB No. 0651-0027 (exp. 6/30/2005)

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00000109 500417  
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05/12/2006 MTA  
FC: 604

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- |                     |                    |
|---------------------|--------------------|
| (1) Nobuyuki OTSUKA | (2) Koichi MIZUNO  |
| (3) Shigeo YOSHII   | (4) Asamira SUZUKI |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

1006, Oaza Kadoma

Kadoma-Shi

Osaka 571-8501 JAPAN

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

BALLISTIC SEMICONDUCTOR DEVICE

- (a) for which an application for United States Letters Patent was filed on and identified by United States Serial No. Not yet assigned; or
- (b) for which an application for United States Letters Patent was executed on

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- 1) Nobuyuki Otsuka Jan. 22. 2005  
Name: Nobuyuki OTSUKA
- 2) Koichi Mizuno Jun. 24. 2005  
Name: Koichi MIZUNO
- 3) Shigeo Yoshii Jun. 22, 2005  
Name: Shigeo YOSHII
- 4) Asamira Suzuki Jan. 22. 2005  
Name: Asamira SUZUKI

PATENT

RECORDED: 05/15/2006

REEL: 017891 FRAME: 0255