

06-24-1999



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**PATENT**  
**REEL: 010039 FRAME: 0406**

MRD 6-18-99

**Correspondent Name and Address**

Area Code and Telephone Number (303) 449-9497

Name Carl A. Forest

Address (line 1) Duft, Graziano &amp; Forest, P.C.

Address (line 2) 1790 - 30th Street

Address (line 3) Suite 140

Address (line 4) Boulder, CO 80301-1018

**Pages**Enter the total number of pages of the attached conveyance document  
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# 2

**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

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**Patent Application Number(s)**

09/301,867

**Patent Number(s)**If this document is being filed together with a new Patent Application, enter the date the patent application was  
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Month Day Year

**Patent Cooperation Treaty (PCT)**Enter PCT application number  
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# 1

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Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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Carl A. Forest

Name of Person Signing

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Name (line 1)

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Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1) Matsushita Electronics Corporation

Name (line 2)

Address (line 1) 1-1, Saiwai-cho

Address (line 2) Takatsuki

Address (line 3) Osaka  
City

Japan  
State/Country

569-1193  
Zip Code

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)



For: U.S. Rights and Foreign Rights  
For: U.S. Application  
By: Inventors

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEES to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS:**

Koji Arita  
2620-B Jeffers Way  
Colorado Springs, CO 80918  
Nationality: Japan

Carlos A. Paz de Araujo  
317 West Sunbird Cliffs Lane  
Colorado Springs, CO 80919  
Nationality: USA

hereby sell, assign and transfer to

**ASSIGNEES:**

Symetrix Corporation, a Delaware corporation  
5055 Mark Dabling Boulevard  
Colorado Springs, CO 80918

Matsushita Electronics Corporation, a corporation  
organized and existing under the laws of  
Japan  
1-1 Saiwai-cho  
Takatsuki  
Osaka 569-1193  
Japan

and the successors, assigns and legal representatives of the ASSIGNEES the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

**FERROELECTRIC FIELD EFFECT TRANSISTORS FOR NONVOLATILE MEMORY  
APPLICATIONS HAVING FUNCTIONAL GRADIENT MATERIAL AND METHOD FOR  
MAKING SAME**

In and to (37 C.F.R. §3.21) U.S. Patent Application No. 09/301,867 filed on April 29, 1999 including any and all improvements which are disclosed therein, and any legal equivalent of the foregoing invention, application and improvements in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

(Assignment of Invention page 1 of 2)

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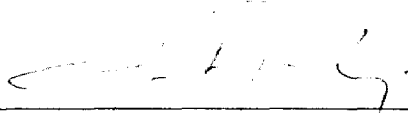
ASSIGNORS further covenant that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEES or their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on the respective dates below.

Date: May 5, 1999

  
\_\_\_\_\_  
Signature of Koji Arita

Date: 5-5-99

  
\_\_\_\_\_  
Signature of Carlos A. Paz de Araujo

(Assignment of Invention page 2 of 2)