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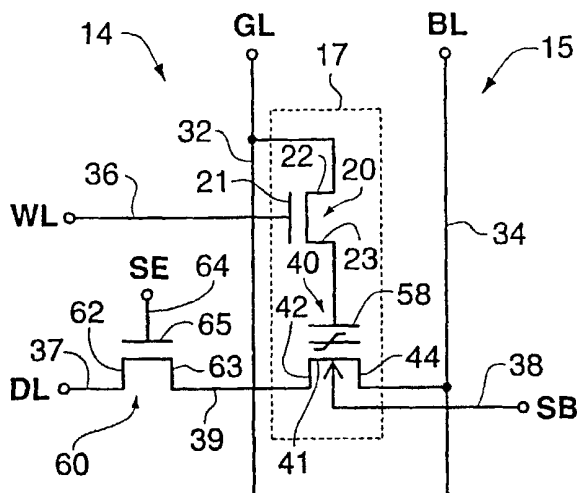
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: FERROELECTRIC MEMORY AND METHOD OF OPERATING SAME



(57) Abstract: A ferroelectric non-volatile memory (100, 436) comprising: a plurality of memory cells (14, 116, 117, 118, 119), each containing an FeFET (40, 140A) and a MOSFET (20, 120A), each of said FeFETs (14) having a source (42), a drain (44), a substrate (45), and a gate (58), and each MOSFET (20) having a pair of source/drains (22, 23) and a gate (21). The cells are arranged in an array comprising a plurality of rows (180) and a plurality of columns (184). A gate line (132) and a bit line (134) are associated with each column, and a word line (136), a drain line (139), and a substrate line (138) are associated with each row. A read MOSFET (160) is connected between a drain input (137) and the drain line associated with each row. The gate (165) of the read MOSFET is connected to an input for the read enable signal.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11C11/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 345 414 A (NAKAMURA TAKASHI) 6 September 1994 (1994-09-06) cited in the application	1-8, 14-18,21
A	column 5, line 5 - line 61; figures 6,7	9-12, 19-25

X	US 5 446 688 A (TORIMARU YASUO) 29 August 1995 (1995-08-29) abstract; figures 1,6	1-10,13

X	DE 198 40 824 C (SIEMENS AG) 21 October 1999 (1999-10-21) column 6, line 44 -column 7, line 43; figure 6	1-8

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X

Further documents are listed in the continuation of box C.

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Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 307 305 A (TAKASU HIDEKI) 26 April 1994 (1994-04-26) abstract; figure 6	1-3
A	column 5, line 61 - column 6, line 15	28-30
A	column 6, line 36 - line 50; figures 3A, 3B, 8A, 8B	19, 20

A	US 5 523 964 A (MIHARA TAKASHI ET AL) 4 June 1996 (1996-06-04) cited in the application abstract; figures 1, 2 -----	26, 27

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Information on patent family members

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