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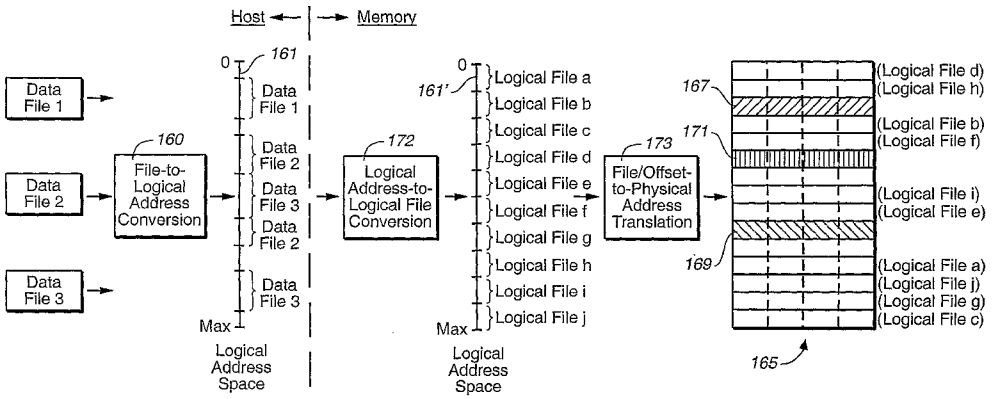
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(54) Title: INTERFACING SYSTEMS OPERATING THROUGH A LOGICAL ADDRESS SPACE AND ON A DIRECT DATA FILE BASIS



(57) Abstract: A re-programmable non-volatile semiconductor memory, such as flash memory, operates to store files with logical addresses including a unique file identifier and offsets of data within the file, termed direct data file storage. Data files generated by a host may be stored directly in such a memory through a file interface. But if a traditional host/memory interface using a continuous logical address space is being used to identify multiple files, the address space is divided into contiguous logical files, and then these files are treated in the same manner as files obtained directly from a host. Both types of interfaces may be included in the same memory system.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F3/06

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)
G06F

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2005 122439 A (SHARP KK) 12 May 2005 (2005-05-12) the whole document	1-8,16, 28-30,32 9-15, 17-27, 31,33-39
Y A	US 2004/073727 A1 (MORAN DOV [IL] ET AL) 15 April 2004 (2004-04-15) the whole document	9-15, 17-27, 31,33-39 1,3,16, 28,30,32
X A	US 5 937 425 A (BAN AMIR [IL] ET AL) 10 August 1999 (1999-08-10) column 4, line 66 - column 6, line 11 column 7, line 28 - column 8, line 42	1-6,16, 28-30,32 18

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
9 March 2007	20/03/2007

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Reino, Bernardo

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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.
A	US 6 493 811 B1 (BLADES JERRY A [US] ET AL) 10 December 2002 (2002-12-10) column 4, line 13 - line 65 column 6, line 5 - column 8, line 57; figure 1	1-39
A	US 2003/065866 A1 (SPENCER ANDREW M [US]) 3 April 2003 (2003-04-03) paragraph [0049] - paragraph [0052]; figure 5	1-39

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Information on patent family members

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