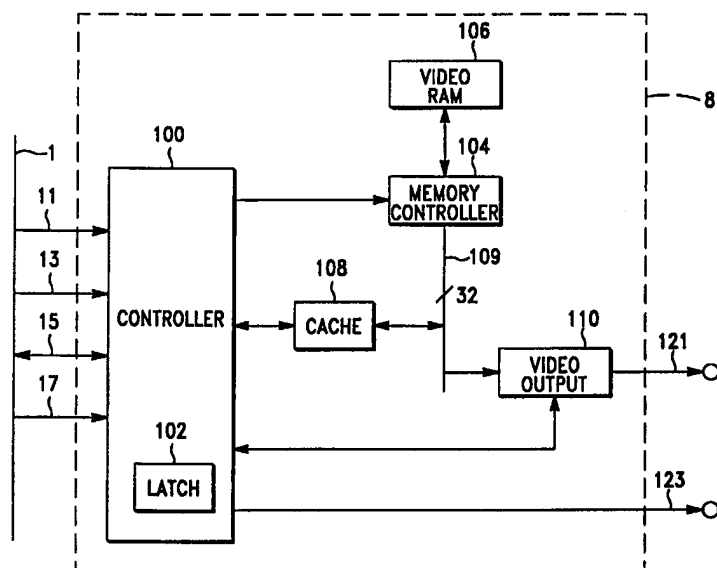




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(54) Title: METHOD AND APPARATUS FOR EFFICIENT MEMORY-READ OPERATIONS WITH A VGA-COMPLIANT VIDEO DISPLAY ADAPTOR



(57) Abstract

The efficiency of reading information from video RAM in a display adaptor such as a VGA-compliant adaptor is improved by providing the desired information from a latch whenever possible rather than reading the desired information from video RAM or cache memory. Routine operations with graphical user interfaces such as moving and resizing visual images can be improved by first reading information for all pixels stored in a given location stored in video RAM before executing any commands that modify the contents of that location.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP 98/01297

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 G09G1/16

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 6 G09G

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 228 745 A (N.V. PHILIPS GLOEILAMPENFABRIEKEN) 15 July 1987	1,2,4,5, 7,8,10, 11,13,14
Y	see Abstract see page 3, line 19 - line 53; figures 1,2 see page 4, line 37 - page 5, line 29 ---	3,6,9, 12,15
Y	EP 0 696 023 A (SUN MICROSYSTEMS INC.) 7 February 1996 see Abstract see page 3, line 28 - page 5, line 8; figures 1-3,7 see page 10, line 42 - page 12, line 15 see page 15, line 25 - line 47 --- -/--	3,6,9, 12,15

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☒ Patent family members are listed in annex.

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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 5 559 952 A (FUJIMOTO) 24 September 1996 see Abstract see column 4, line 10 - column 6, line 16; figures 1-4 see column 7, line 41 - column 10, line 35 ---	1,3,4,6, 7,9,10, 12,13,15
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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