

Title (en)

High resolution video graphics system.

Title (de)

Graphisches Videoanzeigesystem mit grosser Auflösung.

Title (fr)

Système de représentation graphique vidéo à résolution élevée.

Publication

**EP 0148564 A2 19850717 (EN)**

Application

**EP 84307409 A 19841026**

Priority

US 55617883 A 19831129

Abstract (en)

A high resolution video graphics system for use with a processor and characterized by improved memory expandability particularly in connection with color display. The high resolution video graphics system includes a video memory which is preferably comprised of a plurality of video memory planes and video counter means for providing display timing. There are basically four buses that are used with the system including a control bus, a read bus, a write bus, and an address bus. A multiplexer means is provided for receiving either video counter addresses or direct addresses from the processor. There is associated with the video memory means for converting to serial output data which the preferred embodiment includes a series of shift registers corresponding to the number of separate memory planes employed. In the preferred embodiment the system has three memory planes, each of 16K by 16 capacity. The shift register output is coupled to a high speed static palette RAM with the shift register outputs being the addresses thereto. The data outputs of the palette RAM couple to guns on a color monitor or to the back plane in connection with black and white graphics.

IPC 1-7

**G09G 1/16**; **G09G 1/28**

IPC 8 full level

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CPC (source: EP)

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