

Title (en)
ADVANCED VIDEO PROCESSOR WITH HARDWARE SCROLLING

Publication
EP 0159851 A3 19900307 (EN)

Application
EP 85302465 A 19850409

Priority
• US 60067284 A 19840416
• US 60073784 A 19840416
• US 60092184 A 19840416

Abstract (en)
[origin: EP0159851A2] A video system with hardware scrolling includes the combination (1) of a video processor including a color palette for processing of data, a memory (31) for storing of data to be processed, a monitor (33) and (35) for displaying of the processed data, a processor (30) for controlling the transfer of data from the memory (30) to the monitor (33) and (35). The video processor (1) includes a control logic (65) for controlling the transfer of data and instructions between the processor (30) and the video processor (1); a memory control logic (67) for controlling, in response to the instructions from the processor (1), the transfer of data from the memory (31); registers and counters (63) for arranging data from the memory (31) in a predetermined order, to provide scrolling data for changing a display on the monitor (33) and (35) pixel by pixel and to apply the scrolling data according to the prearranged order to the sprite processor (10); and video output logic (57) for converting the scrolling data to a video signal to which the monitor (33) and (35) will respond to provide a display of a plurality of rows and characters of pixels.

IPC 1-7
G09G 1/16

IPC 8 full level
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CPC (source: EP)
G09G 5/346 (2013.01)

Citation (search report)
• [X] GB 2070399 A 19810903 - XTRAK CORP
• [A] FR 2473206 A1 19810710 - DORNIER SYSTEM GMBH [DE]
• [AD] US 4296476 A 19811020 - MAYER STEVEN T, et al
• [XP] ELECTRONICS INTERNATIONAL, vol. 57, no. 13, June 1984, pages 121-124, New York, US; M. KISNER et al.: "A new-generation video processor boosts resolution"

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EP0537881A3; US6078306A; GB2346055A; GB2346055B; WO9921162A1

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