

Title (en)

ADVANCED VIDEO PROCESSOR WITH HARDWARE SCROLLING

Publication

**EP 0159851 B1 19930113 (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

**G06F 3/0485** (2013.01); **G06F 3/048** (2013.01); **G06F 3/14** (2006.01); **G09G 1/06** (2006.01); **G09G 1/16** (2006.01); **G09G 1/28** (2006.01); **G09G 5/02** (2006.01); **G09G 5/06** (2006.01); **G09G 5/34** (2006.01); **G09G 5/377** (2006.01); **G09G 5/38** (2006.01)

CPC (source: EP)

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Cited by

EP0537881A3; US6078306A; GB2346055A; GB2346055B; WO9921162A1

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**EP 0159851 A2 19851030**; **EP 0159851 A3 19900307**; **EP 0159851 B1 19930113**; DE 3586969 D1 19930225; DE 3586969 T2 19930506; JP 2887236 B2 19990426; JP S6122394 A 19860130

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