

Title (en)

APPARATUS FOR CONTROLLING WRITING AND READING IN RELATION TO GRAPHIC MEMORY.

Title (de)

VORRICHTUNG ZUR STEUERUNG DES SCHREIBENS UND DES LESENS FÜR EIN GRAPHISCHES GEDÄCHTNIS.

Title (fr)

APPAREIL DE COMMANDE D'ECRITURE ET DE LECTURE EN RELATION A UNE MEMOIRE GRAPHIQUE.

Publication

**EP 0161319 A4 19860402 (EN)**

Application

**EP 84903820 A 19841022**

Priority

JP 19957183 A 19831025

Abstract (en)

[origin: WO8502050A1] Apparatus for controlling writing and reading in relation to graphic memories (1R, 1G, 1B) for a red screen, a green screen and a blue screen, respectively, each of the graphic memories having a capacity of N x M bits. The apparatus operates in such a manner that data is written into the graphic memories (1R, 1G, 1B) bit by bit and is read out therefrom in units of M bits. The apparatus is capable of modification of one bit per cycle of a CPU (8) with a reduced number of hardware elements. Each of the graphic memories (1R, 1G, 1B) is constituted by an M-bit output RAM group consisting of M 1-bit output RAMs (20? to 27?) each having a capacity of 1 X N bits. Further, the same address space is allotted to the graphic memories (1R, 1G, 1B), and 1-bit data lines of a data bus (9) of the CPU (8) are respectively connected to all the RAMs (20? to 27?) in each of the graphic memories (1R, 1G, 1B). The writing of data, which is effected bit by bit, is carried out in such a manner that one bit of each of the RAMs (20? to 27?) in each of the graphic memories (1R, 1G, 1B) is specified by the CPU address, and a write signal is delivered to any of the desired M RAMs (20? to 27?) with a part of the CPU address.

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- See references of WO 8502050A1

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