Title (en)
Digital color video system using dirty bits to provide high speed pixel data for raster displays.

Title (de)
Digitales Videofarbanzeigesystem unter Verwendung schmutziger Bits zur Erzeugung von Pixeldaten mit hoher Geschwindigkeit in Rasteranzeigegeräten.

Title (fr)
Système numérique d'affichage vidéo à couleurs utilisant des bits sales pour obtenir des données d'éléments d'image à grande vitesse dans des dispositifs de visualisation à balayage à trame.

Publication
EP 0436959 A2 19910717 (EN)

Application
EP 90125789 A 19901228

Priority
US 45953790 A 19900108

Abstract (en)
A digital color video system provides a "Dirty Bit" in its pixel data to provide rapid throughput in the reading and writing of the pixel data to a raster display screen for multi-windowed environments having z-buffered images. The dirty bit combines the Flash Erase function of DRAMs with the referencing of each pixel by its associated property or context to provide direct mapping to a predetermined null context when the pixel is responsive to the dirty bit, and to enable rapid writing of multiple model components in 3-D space into new image data for the pixel frame buffer memory and z buffer memory without first clearing the previous data therein. <IMAGE>

IPC 1-7
G09G 1/28; G09G 5/14

IPC 8 full level
G06T 1/60 (2006.01); G09G 5/02 (2006.01); G09G 5/36 (2006.01); H04N 9/74 (2006.01)

CPC (source: EP)
G09G 5/02 (2013.01)

Cited by
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DE GB NL

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