

Title (en)
A display system.

Title (de)
Anzeigesystem.

Title (fr)
Système d'affichage.

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Application
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Abstract (en)
A display system is described that allows the rapid display of colour images on screen, and removes the need for extensive image pre-processing prior to display on screen. A universal palette is utilised, divided into several sub-palettes, each one containing data pertaining to shades of different, individual colours. For example, in a palette with an 8 bit address, 64 shades each of red, green, blue and grey could be stored. Source colour data are supplied to logic which selects a particular colour component's data, and this data is then utilised to address the sub-palette containing data pertaining to shades of that particular colour. For example, red source data are utilised to address the section of the palette (sub-palette), containing data yielding red colour shades. Pixels are grouped on screen to form a macro-pixel, each pixel of the macro-pixel being devoted to one particular colour shade. The eye then acts to merge these colour pixels on screen to form the composite colour of the macro-pixel. In an alternative embodiment, all of the source colour data are used to address the palette. Overall contouring of the image on screen is removed without the need for extensive image pre-processing, thus allowing the rapid display of quality images on screen.

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Cited by
US5469190A; EP0476974A3; US5347621A; CN104407832A; WO0036825A1

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