

Title (en)

RAPID IMAGE RENDERING ON DUAL-MODULATOR DISPLAYS

Title (de)

SCHNELLE BILDWIEDERGABE AUF DOPPELMODULATOR-DISPLAYS

Title (fr)

RENDU D'IMAGE RAPIDE SUR DES ECRANS D'AFFICHAGE A DOUBLE MODULATEUR

Publication

EP 1779362 A1 20070502 (EN)

Application

EP 05748546 A 20050527

Priority

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- US 59182904 P 20040727

Abstract (en)

[origin: WO2006010244A1] Apparatus and methods are provided that employ one or more of a variety of techniques for reducing the time required to display high resolution images on a high dynamic range display having a light source layer and a display layer. In one technique, the image resolution is reduced, an effective luminance pattern is determined for the reduced resolution image, and the resolution of the effective luminance pattern is then increased to the resolution of the display layer. In another technique, the light source layer's point spread function is decomposed into a plurality of components, and an effective luminance pattern is determined for each component. The effective luminance patterns are then combined to produce a total effective luminance pattern. Additional image display time reduction techniques are provided.

IPC 8 full level

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CPC (source: EP KR)

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