

Title (en)
LIQUID CRYSTAL PROJECTOR HAVING INCREASED COLOR ACCURACY

Title (de)
LCD-PROJEKTOR MIT ERHÖHTER FARBGENAUIGKEIT

Title (fr)
PROJECTEURS A CRISTAUX LIQUIDES A FIDELITE DES COULEURS AMELIOREE

Publication
EP 1621023 A1 20060201 (EN)

Application
EP 04727342 A 20040414

Priority
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Abstract (en)
[origin: WO2004098201A1] A method of color correcting a display is provided. Initially, uncorrected color values are used to produce images whose color characteristics are measured, specifically including luminance. Then, corrected color values are calculated such that the luminance of the corrected color values are the same as that produced by the uncorrected color values. The corrected color values are then used to produce images whose color characteristics are measured. A determination is made as to whether the corrected color values produce images having acceptable luminance and color characteristics, where acceptable luminance is based on the luminance obtained using the uncorrected color values. If not, a new set of corrected color values are produced. The process repeats until acceptable/desirable color characteristics are achieved. The method is useful for obtaining look-up table values, and for single-panel LCDs that use look-up tables. An interpolation technique for sparsely filled look-up tables is also provided.

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