

Title (en)

MODIFIED SKEW-ANGLE COMPENSATOR FOR LCD DISPLAYS WITH RESIDUAL RETARDANCE

Title (de)

MODIFIZIERTER VERSATZWINKELKOMPENSATOR FÜR LCD-DISPLAYS MIT RESTRETARDIERUNG

Title (fr)

COMPENSATEUR MODIFIE D'ANGLES DE BIAIS POUR AFFICHEURS A CRISTAUX LIQUIDES A RETARDEMENT RESIDUEL

Publication

EP 1636638 A1 20060322 (EN)

Application

EP 04736437 A 20040609

Priority

- IB 2004050875 W 20040609
- US 47869103 P 20030613

Abstract (en)

[origin: WO2004111713A1] A light valve device (105) having a first optical retardance is optically coupled to a modified skew angle compensator (104), which has a second optical retardance, and the sum of the first optical retardance and the second optical retardance equals a retardance of a quarter-wave retarder over a prescribed wavelength range. A method of substantially preventing darkstate light from being transmitted to display optics (111) in a liquid crystal (LC) display includes rotating the dark state light so that a polarization beam splitter (110) transmits the light back to the source (109).

IPC 1-7

G02F 1/13363; **H04N 9/31**

IPC 8 full level

G02F 1/13363 (2006.01); **H04N 9/31** (2006.01); **H04N 5/74** (2006.01)

CPC (source: EP KR)

G02F 1/133 (2013.01 - KR); **G02F 1/13363** (2013.01 - EP); **G09G 3/20** (2013.01 - KR); **G09G 3/36** (2013.01 - KR); **H04N 9/3108** (2013.01 - EP); **G02F 1/133637** (2021.01 - EP); **H04N 5/7441** (2013.01 - EP)

Citation (search report)

See references of WO 2004111713A1

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