

Title (en)

DISPLAY DEVICE WITH TIME-MULTIPLEXED LED LIGHT SOURCE

Title (de)

ANZEIGEVORRICHTUNG MIT ZEIT-MULTIPLEX-LED-LICHTQUELLE

Title (fr)

DISPOSITIF D'AFFICHAGE EQUIPE D'UNE SOURCE LUMINEUSE A DEL MULTIPLEXEE DANS LE TEMPS

Publication

EP 1815456 A1 20070808 (EN)

Application

EP 05807164 A 20051116

Priority

- IB 2005053789 W 20051116
- US 62975504 P 20041119

Abstract (en)

[origin: WO2006054254A1] A display device (100) has a time-multiplexed a light source (110, 200) including at least two light emitting diode (LED) devices (210, 220) that operate sequentially, and a light combiner (230, 630, 830) that outputs light from the LED devices (210, 220), the light having a first polarization when a first one of the LED devices (210) is turned on, and having a second polarization (220) when a second one of the LED devices is turned on; and a light modulator (122) that receives the light from the light combiner (230, 630, 830). The light modulator (122) and is driven to white when the first LED device (210) is turned on, and is driven to black when the second LED device (220) is turned on.

IPC 8 full level

G09G 3/34 (2006.01); **G02B 27/02** (2006.01); **G02F 1/1335** (2006.01); **H04N 9/31** (2006.01)

CPC (source: EP KR)

G02B 26/10 (2013.01 - KR); **G02B 27/102** (2013.01 - EP); **G02B 27/1053** (2013.01 - EP); **G02B 27/145** (2013.01 - EP); **G02B 27/149** (2013.01 - EP); **G02F 1/133** (2013.01 - KR); **G03B 21/00** (2013.01 - KR); **G09G 3/3413** (2013.01 - EP); **H04N 5/74** (2013.01 - KR); **H04N 9/315** (2013.01 - EP); **G09G 2310/0235** (2013.01 - EP); **G09G 2310/0237** (2013.01 - EP)

Citation (search report)

See references of WO 2006054254A1

Designated contracting state (EPC)

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