

Title (en)

A DISPLAY DEVICE AND AN ILLUMINATION SYSTEM THEREFOR

Title (de)

DISPLAY-EINRICHTUNG UND BELEUCHTUNGSSYSTEM DAFÜR

Title (fr)

DISPOSITIF D'AFFICHAGE ET SYSTEME D'ECLAIRAGE ASSOCIE

Publication

EP 1602003 A1 20051207 (EN)

Application

EP 04714408 A 20040225

Priority

- IB 2004050147 W 20040225
- EP 03100519 A 20030303
- EP 04714408 A 20040225

Abstract (en)

[origin: WO2004079437A1] This invention relates to a display device (1), comprising a display panel (2) having a layer of electro-optical material (4), a first light-transmissive substrate (5) provided with electrodes (7) in an area of pixels arranged in rows and columns, a second lighttransmissive substrate (6), said layer of electro-optical material (4) being sandwiched between said first and second layer (5, 6), and an illumination system (3), being arranged on a side of the second substrate (6) being remote from said layer of electro-optical material (4), the illumination system comprising an optical waveguide (14) of an optically transparent material, having an exit face (15) facing said display panel (2). According to the invention, the illumination system (3) further comprises a matrix-addressable light-management member (27).

IPC 1-7

G02F 1/00

IPC 8 full level

G02F 1/00 (2006.01); **G02F 1/13357** (2006.01); **G02F 1/1347** (2006.01); **G09G 3/34** (2006.01); **G02F 1/1334** (2006.01); **G09G 3/36** (2006.01)

CPC (source: EP KR)

G02B 6/0033 (2013.01 - EP); **G02F 1/1335** (2013.01 - KR); **G02F 1/1336** (2013.01 - EP); **G02F 1/1347** (2013.01 - EP);
G09G 3/3426 (2013.01 - EP); **G02F 1/1334** (2013.01 - EP); **G09G 3/3625** (2013.01 - EP); **G09G 2300/023** (2013.01 - EP);
G09G 2310/0205 (2013.01 - EP); **G09G 2310/024** (2013.01 - EP); **G09G 2320/0633** (2013.01 - EP); **G09G 2320/0646** (2013.01 - EP);
G09G 2320/0666 (2013.01 - EP); **G09G 2360/145** (2013.01 - EP); **G09G 2360/16** (2013.01 - EP)

Citation (search report)

See references of WO 2004079437A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004079437 A1 20040916; CN 1756988 A 20060405; EP 1602003 A1 20051207; JP 2006519418 A 20060824;
KR 20050108375 A 20051116; TW M258239 U 20050301

DOCDB simple family (application)

IB 2004050147 W 20040225; CN 200480005873 A 20040225; EP 04714408 A 20040225; JP 2006506640 A 20040225;
KR 20057016271 A 20050901; TW 93202946 U 20040227