

Title (en)

COMPONENTS FOR ELECTRO-OPTIC DISPLAYS

Title (de)

KOMPONENTEN FÜR ELEKTROOPTISCHE ANZEIGEN

Title (fr)

COMPOSANTS POUR DISPOSITIFS D’AFFICHAGE ELECTRO-OPTIQUES

Publication

EP 1938299 A4 20101124 (EN)

Application

EP 06839457 A 20061018

Priority

- US 2006060049 W 20061018
- US 59674305 P 20051018
- US 59679905 P 20051021

Abstract (en)

[origin: WO2007048096A2] An electro-optic display comprises, in order, a backplane comprising a plurality of pixel electrodes; a layer of a solid electro-optic medium; a main adhesive layer; and at least one of a light-transmissive protective layer and a light-transmissive electrically-conductive layer. The electro-optic layer may be in direct contact with the backplane or separated therefrom by a thin auxiliary layer of adhesive. The main adhesive layer may be colored to provide a color filter array. An inverted front plane laminate useful in forming such a display comprises the same layers except that the backplane is replaced by a release sheet. The display combines good low temperature performance and good resolution at higher temperatures.

IPC 8 full level

G02F 1/167 (2019.01); **G02F 1/1677** (2019.01)

CPC (source: EP KR US)

G02F 1/133514 (2013.01 - KR); **G02F 1/167** (2013.01 - EP KR US); **G02F 1/1677** (2018.12 - EP US); **G02F 1/133514** (2013.01 - EP); **G02F 2202/28** (2013.01 - EP KR); **G02F 2203/60** (2013.01 - EP KR)

Citation (search report)

- [IY] US 2004085619 A1 20040506 - WU ZARNG-ARH GEORGE [US], et al
- [IY] US 2005105159 A1 20050519 - PAOLINI RICHARD J JR [US], et al
- [Y] JP H0980400 A 19970328 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2005007653 A1 20050113 - HONEYMAN CHARLES H [US], et al
- See references of WO 2007048096A2

Citation (examination)

WO 2009151675 A2 20091217 - E INK CORP [US], et al

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2007048096 A2 20070426; **WO 2007048096 A3 20080821**; EP 1938299 A2 20080702; EP 1938299 A4 20101124; EP 2711770 A2 20140326; EP 2711770 A3 20140806; EP 2711770 B1 20160224; KR 101256713 B1 20130419; KR 101269304 B1 20130529; KR 20080015507 A 20080219; KR 20100025594 A 20100309; KR 20130024926 A 20130308

DOCDB simple family (application)

US 2006060049 W 20061018; EP 06839457 A 20061018; EP 13005031 A 20061018; KR 20087000446 A 20080107; KR 20107002447 A 20061018; KR 20127032414 A 20061018