

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

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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)

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