

Title (en)

ELECTRO-OPTIC DISPLAYS, AND MATERIALS AND TESTING METHODS THEREFOR

Title (de)

ELEKTROOPTISCHE ANZEIGE UND MATERIAL UND PRÜFVERFAHREN DAFÜR

Title (fr)

DISPOSITIFS D'AFFICHAGE ÉLECTRO-OPTIQUES, ET MATÉRIAUX ET PROCÉDÉS DE TEST APPARENTÉS

Publication

EP 2162783 A1 20100317 (EN)

Application

EP 08771974 A 20080626

Priority

- US 2008068263 W 20080626
- US 94699707 P 20070629
- US 94700107 P 20070629

Abstract (en)

[origin: WO2009006170A1] A first sub-assembly useful in an electro-optic display is produced by: providing an electro-optic sub-assembly (302, 314, 316, 320) comprising a layer of electro-optic medium (314); providing an adhesive sub-assembly (322, 324) comprising an adhesive layer (324), the adhesive layer being larger than the layer of electro-optic medium (314) and having one or more apertures (326); adhering the adhesive sub-assembly (322, 324) to the electro-optic sub-assembly (302, 314, 316, 320) so that a part of the adhesive layer (322) adheres to the layer of electro-optic medium (314) but the aperture(s) (326) are spaced from the layer of electro-optic medium (314). A second sub-assembly comprises a conductive layer (621, 625) and a layer of electro-optic medium (314). The conductive layer (621, 625) has a main section covered by the electro-optic medium (314), an exposed section (630, 632) free from the electro-optic medium (314), and a weak section (634, 636) connecting the main section and the exposed section (630, 632), so that the exposed section (630, 632) can be manipulated to rupture the weak section (634, 636), thus separating the exposed section (630, 632) from the main section without substantial damage.

IPC 8 full level

B32B 7/12 (2006.01); **B32B 38/10** (2006.01); **G02F 1/03** (2006.01); **G02F 1/167** (2019.01); **G02F 1/1675** (2019.01)

CPC (source: EP KR US)

B32B 38/1841 (2013.01 - EP); **G02F 1/03** (2013.01 - KR); **G02F 1/1334** (2013.01 - EP); **G02F 1/167** (2013.01 - EP US); **G02F 1/1675** (2018.12 - EP US); **G02F 1/1309** (2013.01 - EP); **G02F 1/1345** (2013.01 - EP); **G02F 2201/42** (2013.01 - EP); **G02F 2202/28** (2013.01 - EP); **G02F 2203/69** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009006170 A1 20090108; CN 101790699 A 20100728; CN 102759836 A 20121031; CN 102759836 B 20170531; EP 2162783 A1 20100317; EP 2162783 A4 20110518; KR 101124183 B1 20120327; KR 20100017941 A 20100216

DOCDB simple family (application)

US 2008068263 W 20080626; CN 200880104642 A 20080626; CN 201210088428 A 20080626; EP 08771974 A 20080626; KR 20097027222 A 20080626