

Title (en)

METHOD FOR MAKING BISTABLE NEMATIC LIQUID-CRYSTAL DEVICES

Title (de)

VERFAHREN ZUR HESRSTELLUNG BISTABILER, NEMATISCHER FLÜSSIGKRISTALL-VORRICHTUNGEN

Title (fr)

PROCÉDÉ DE RÉALISATION DE DISPOSITIFS À CRISTAUX LIQUIDES NÉMATIQUES BISTABLES

Publication

**EP 2678738 A1 20140101 (FR)**

Application

**EP 09780964 A 20090723**

Priority

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Abstract (en)

[origin: WO2010010140A1] The invention relates to a method for making bistable nematic liquid-crystal devices including a nematic liquid-crystal layer (30) provided between two plates (20, 10), each plate including a blade (21, 11), an electrode (22, 12) and a nematic liquid-crystal alignment layer (24, 14), wherein at least one of the alignment layers has low zenith anchoring for said liquid crystal, a low pretilt and an average or strong azimuth anchoring, and wherein said at least one of said alignment layers (24, 14) is obtained by depositing a solution containing a polymer, said polymer being a copolymer or a terpolymer derived from vinyl chloride and vinyl ethers, the solution further including an additive selected from the group consisting of aromatic polyimides, precursors of the aromatic polyamic acid type, or a mixture of these compounds.

IPC 8 full level

**G02F 1/1337** (2006.01)

CPC (source: EP US)

**G02F 1/133711** (2013.01 - EP US); **G02F 1/1391** (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US)

Citation (search report)

See references of WO 2010010140A1

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