

Title (en)

ELECTRICALLY CONTROLLABLE DEVICE WITH CONTROLLED THICKNESS OF THE ELECTROACTIVE MEDIUM AND SIMPLIFIED MANUFACTURING, AND METHOD FOR MAKING SAME

Title (de)

ELEKTRISCH STEUERBARE EINRICHTUNG MIT GESTEUERTER DICKE DES ELEKTROAKTIVEN MEDIUMS UND VEREINFACHTER HERSTELLUNG UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

DISPOSITIF ELECTROCOMMANDABLE A EPAISSEUR CONTROLEE DE MILIEU ELECTRO-ACTIF ET DE FABRICATION SIMPLIFIEE ET SON PROCEDE DE FABRICATION

Publication

**EP 2374039 A1 20111012 (FR)**

Application

**EP 09796654 A 20091201**

Priority

- EP 2009066165 W 20091201
- FR 0858280 A 20081204

Abstract (en)

[origin: WO2010063729A1] The device of the invention comprises a stack of the following layers: a substrate with a glazing function (V1); a first electronically conductive layer (TCC1) with an associated current supply; an electroactive lacquer layer (VEA) containing at least one binding polymer including the components of an electroactive medium formed by: at least one electroactive compound capable of reducing and/or accepting electrons and cations used as compensation charges; at least one electroactive organic compound capable of oxidising and/or ejecting electrons and cations used as compensation charges; at least one of said electro-active compounds being an electrochrome so as to obtain a colour contrast; and ionic charges capable of enabling, under the action of an electric current, oxidation and reduction reactions of said electroactive organic compounds, which are necessary for obtaining the colour contrast; and a second electronically conductive layer (TCC2) with an associated current supply.

IPC 8 full level

**E06B 3/67** (2006.01); **G02F 1/15** (2006.01); **G02F 1/1503** (2019.01)

CPC (source: EP KR US)

**G02F 1/1514** (2018.12 - KR); **G02F 1/15165** (2018.12 - EP US); **G02F 1/1503** (2018.12 - EP US); **G02F 2001/15145** (2018.12 - EP KR US)

Citation (search report)

See references of WO 2010063729A1

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