

Title (en)
ELECTROCHEMICAL AND/OR ELECTROCONTROLABLE DEVICE, OF THE GLAZING TYPE, HAVING VARIABLE OPTICAL AND/OR
ENERGETIC PROPERTIES

Title (de)
ELEKTROCHEMISCHE UND/ODER ELEKTRISCH STEUERBARE VERGLASUNGSVORRICHTUNG MIT VERÄNDERLICHEN OPTISCHEN
UND/ODER ENERGETISCHEN EIGENSCHAFTEN

Title (fr)
DISPOSITIF ELECTROCHIMIQUE, ET/OU ELECTROCOMMANDABLE DU TYPE VITRAGE ET A PROPRIETES OPTIQUES ET/OU
ENERGETIQUES VARIABLES

Publication
EP 2047326 A2 20090415 (FR)

Application
EP 07823645 A 20070726

Priority

- FR 2007051729 W 20070726
- FR 0653294 A 20060804

Abstract (en)
[origin: WO2008017777A2] Electrochemical/ electrocontrolable device having variable optical and/or energetic properties, comprising at least one carrier substrate with a first electroconducting layer, a first electrochemically active layer than can reversibly insert ions such as cations such as H⁺, Li⁺ or anions such as OH⁻, in particular in an anodic (or cathodic, respectively) electrochrome material, a layer of electrolyte, a second electrochemically active layer than can reversibly insert said ions, in particular in a cathodic (or respectively anodic) electrochrome material, a second electroconducting layer, characterized in that at least one of the electrochemically active layers that can reversibly insert said ions, in particular in an anodic or cathodic electrochrome, comprises sufficient thickness to allow insertion of all the ions without electrochemical dysfunction of said active layers.

IPC 8 full level
G02F 1/15 (2006.01)

CPC (source: EP KR US)
G02F 1/15245 (2018.12 - EP KR US); **G02F 2202/16** (2013.01 - KR)

Citation (search report)
See references of WO 2008017777A2

Citation (examination)

- US 5080471 A 19920114 - COGAN STUART F [US], et al
- RAUH D ED - ESPINOSA NIEVES ET AL: "DESIGN AND FABRICATION OF ELECTROMIC LIGHT MODULATORS", SOLAR ENERGY MATERIALS AND SOLAR CELLS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 39, no. 2/04, 1 December 1995 (1995-12-01), pages 145 - 154, XP000586152, ISSN: 0927-0248, DOI: 10.1016/0927-0248(95)00043-7

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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