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)

**FR 2904704 A1 20080208**; **FR 2904704 B1 20081205**; BR PI0714922 A2 20130521; CA 2659614 A1 20080214; CN 101501562 A 20090805; CN 101501562 B 20130206; EA 014682 B1 20101230; EA 200970179 A1 20090630; EP 2047326 A2 20090415; JP 2009545765 A 20091224; JP 5247695 B2 20130724; KR 20090034948 A 20090408; US 2009323157 A1 20091231; US 7894120 B2 20110222; WO 2008017777 A2 20080214; WO 2008017777 A3 20080327

DOCDB simple family (application)

**FR 0653294 A 20060804**; BR PI0714922 A 20070726; CA 2659614 A 20070726; CN 200780029145 A 20070726; EA 200970179 A 20070726; EP 07823645 A 20070726; FR 2007051729 W 20070726; JP 2009522313 A 20070726; KR 20097002154 A 20090202; US 37504507 A 20070726