Title (en)

METHOD OF POWERING AN ELECTRICALLY-CONTROLLED DEVICE WITH VARIABLE OPTICAL AND/OR ENERGY PROPERTIES

Title (de)

VERFAHREN ZUR BESTROMUNG EINER ELEKTRISCH GESTEUERTEN EINRICHTUNG MIT VARIABLEN OPTISCHEN UND/ODER ENERGIEEIGENSCHAFTEN

Title (fr)

PROCEDE D'ALIMENTATION D'UN DISPOSITIF ELECTROCOMMANDABLE A PROPRIETES OPTIQUES ET/OU ENERGETIQUES VARIABLES

Publication

EP 1756659 A2 20070228 (FR)

Application

EP 05746981 A 20050407

Priority

• FR 2005050218 W 20050407
• FR 0403800 A 20040409

Abstract (en)

[origin: WO2005103807A2] The invention relates to a method of powering an electrically-controlled system with variable optical/energy reflection or transmission properties, consisting of at least one carrier substrate which is equipped with a stack of layers enabling the migration of active species and comprising at least two active layers which are separated by an electrolyte, said stack being disposed between two electrodes which are connected respectively to lower and upper current supplies. The invention is characterised in that it consists in applying a second energy potential (P2, P2') between the current supplies, which can be varied as a function of time, together with a first constant energy potential (P1, P1'), said first and second energy potentials being adapted to ensure switching between two different optical/energy reflection or transmission property states, E1 and E2.

IPC 8 full level

G02F 1/163 (2006.01)

CPC (source: EP KR US)

B32B 17/10036 (2013.01 - EP KR US); **B32B 17/10174** (2013.01 - EP KR US); **G02F 1/163** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2005103807A2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2868850 A1 20051014; **FR 2868850 B1 20060825**; BR PI0509735 A 20070925; CN 1997935 A 20070711; EP 1756659 A2 20070228; JP 2007532940 A 20071115; KR 20070034464 A 20070328; MX PA06011651 A 20061214; RU 2006139650 A 20080520; RU 2378672 C2 20100110; US 2008018979 A1 20080124; US 7652812 B2 20100126; WO 2005103807 A2 20051103; WO 2005103807 A3 20060112

DOCDB simple family (application)

FR 0403800 A 20040409; BR PI0509735 A 20050407; CN 200580018335 A 20050407; EP 05746981 A 20050407; FR 2005050218 W 20050407; JP 2007506819 A 20050407; KR 20067020832 A 20061004; MX PA06011651 A 20050407; RU 2006139650 A 20050407; US 54786705 A 20050407