

Title (en)
ELECTROACTIVE MATERIAL CONTAINING ORGANIC COMPOUNDS WITH RESPECTIVELY POSITIVE AND NEGATIVE REDOX ACTIVITIES, METHOD AND KIT FOR MAKING SUCH MATERIAL, ELECTRICALLY CONTROLLED DEVICE AND GLAZING USING SUCH ELECTROACTIVE MATERIAL

Title (de)
ELEKTROAKTIVES MATERIAL MIT ORGANISCHEN VERBINDUNGEN MIT ENTSPRECHEND POSITIVEN UND NEGATIVEN REDOXAKTIVITÄTEN, VERFAHREN UND KIT ZUR HERSTELLUNG SOLCH EINES MATERIALS, ELEKTRISCH GESTEUERTE VORRICHTUNG UND GLASUR MIT SOLCH EINEM ELEKTROAKTIVEM MATERIAL

Title (fr)
MATERIAU ELECTROACTIF RENFERMANT DES COMPOSES ORGANIQUES A ACTIVITES REDOX RESPECTIVEMENT POSITIVE ET NEGATIVE, PROCEDE ET KIT DE FABRICATION DE CE MATERIAU, DISPOSITIF ELECTROCOMMANDABLE ET VITRAGES UTILISANT UN TEL MATERIAU ELECTROACTIF

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Application
EP 08806089 A 20080625

Priority
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Abstract (en)
[origin: WO2009007601A1] The electroactive material of the invention includes a self-sustained polymer matrix in which is inserted an electroactive system including or made of: at least one electroactive organic compound capable of reduction and/or accepting electrons and cations serving as compensation charges; at least one electroactive organic compound capable of oxidation and/ejecting electrons and cations serving as compensation charges; at least one of the above electroactive organic compounds being electrochromous for obtaining a colour contrast of ionic charges; and a liquid for solubilizing said electroactive system, wherein said liquid does not solubilize the self-sustained polymer matrix, the latter being selected so as to provide a percolation path for the ionic charges, which results, upon the application of a dielectric current, in oxidation and reduction reactions of said electroactive organic compounds which are necessary for obtaining a colour contrast.

IPC 8 full level
C09K 9/02 (2006.01); **G02F 1/1503** (2019.01)

CPC (source: EP KR US)
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Citation (search report)
See references of WO 2009007601A1

Citation (examination)
US 5910854 A 19990608 - VARAPRASAD DESARAJU V [US], et al

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