

Title (en)
MATERIAL IMPREGNATED WITH AN ELECTROLYTE

Title (de)
MIT EINEM ELEKTROLYT IMPRÄGNIERTES MATERIAL

Title (fr)
TISSU IMPREGNE D'ELECTROLYTE

Publication
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Application
EP 11712616 A 20110222

Priority
• FR 1051293 A 20100223
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Abstract (en)
[origin: WO2011104473A1] The invention relates to an electrolyte material for an electrically controllable device having variable optical/energy properties, said material being in the form of a self-supported layer intended to be arranged between two layers of electroactive material, and including or consisting of a matrix which is capable of ensuring the mechanical resistance of said device, and in which ionic charges are inserted, which enable redox reactions to occur, by means of a current, in the adjacent layers of electroactive material. The ionic charges in the matrix are in a solubilized state due to a solubilizing liquid (L). The matrix is selected to provide a percolation path for the ionic charges. According to the invention, the matrix is based on a textile lap (NT) or a stack of laps including at least one textile lap (NT), the textile lap or the stack being translucent or transparent once impregnated with the liquid (L) that has solubilized the ionic charges, and capable of at least partially preserving the integrity thereof once impregnated with the liquid (L).

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Citation (search report)
See references of WO 2011104473A1

Citation (examination)
• JP S55163514 A 19801219 - SUMITOMO ELECTRIC INDUSTRIES
• EP 0628848 A1 19941214 - TONEN CORP [JP]

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DOCDB simple family (publication)
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