

Title (en)

Electroactive material based on conductive fibers, its manufacture and its use in the production of cathode elements.

Title (de)

Elektroaktiver Werkstoff auf Basis von stromleitfähigen Fasern, seine Herstellung und seine Anwendung zur Herstellung von kathodischen Elementen.

Title (fr)

Matériau électroactivé à base de fibres conductrices, sa fabrication et son utilisation pour réaliser des éléments cathodiques.

Publication

EP 0296076 A1 19881221 (FR)

Application

EP 88420191 A 19880613

Priority

FR 8708842 A 19870619

Abstract (en)

An electroactivated material comprising fibres at least part of which is electrically conductive and a binder chosen from fluoropolymers, the said material exhibiting a resistivity lower than 0.4 ohm cm and being characterised in that it comprises at least one electrocatalytic agent uniformly distributed in its bulk, the said agent being chosen from the group consisting of Raney metals and Raney alloys from which most of the easily removable metal(s) and alloys thereof have been removed. <??>The invention also relates to composite materials formed by the combination of at least one electroactivated material and of an elementary cathode consisting of a metal surface, assembled with a diaphragm if appropriate, and a process for the manufacture of the said materials. <??>These materials can be employed especially in a cell for the electrolysis of sodium chloride.

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IPC 8 full level

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Citation (search report)

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