

Title (en)

Production of an electroactive material based on conductive fibers and its use in the production of cathode elements.

Title (de)

Herstellung eines Elektroaktiven Werkstoffs auf Basis von stromleitfähigen Fasern und seine Anwendung zur Herstellung von kathodischen Elementen.

Title (fr)

Préparation d'un matériau électroactivé à base de fibres conductrices et son utilisation pour réaliser des éléments cathodiques.

Publication

**EP 0296076 B1 19950920 (FR)**

Application

**EP 88420191 A 19880613**

Priority

FR 8708842 A 19870619

Abstract (en)

[origin: EP0296076A1] 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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