

Title (en)

PROCESS FOR MANUFACTURING A POROUS DIAPHRAGM FOR AN ELECTROLYTIC CELL

Publication

**EP 0018034 B1 19831130 (FR)**

Application

**EP 80200312 A 19800408**

Priority

FR 7909835 A 19790417

Abstract (en)

[origin: EP0018034A1] 1. Process for the manufacture of a permeable diaphragm, in situ, on a perforated cathode of a cell for the electrolysis of aqueous solutions of alkali metal halides, in which an aqueous suspension of asbestos fibres and of a thermoplastic polymer in the divided solid state is prepared, the suspension is sucked through the perforated cathode in order to form thereon a sheet containing the fibres and the polymer, and the sheet is heated on the support in order to melt the polymer, characterized in that the polymer used is selected from amongst polymers derived from unsubstituted alpha-olefines containing from 2 to 10 carbon atoms in their molecule, and in that, before the suspension is sucked through the perforated cathode, the polymer is subjected to an oxidation treatment controlled so as to produce a proportion of at least 0,5 % by weight of active oxygen in the polymer.

IPC 1-7

**C25B 13/04**

IPC 8 full level

**C25B 13/06** (2006.01); **C25B 13/04** (2006.01)

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