

Title (en)

METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL

Title (de)

VERFAHREN ZUM BETRIEB EINER ELEKTROLYTISCHEN MEMBRANZELLE

Title (fr)

PROCEDE D'UTILISATION D'UNE PILE ELECTROLYTIQUE A DIAPHRAGME

Publication

EP 2041335 B1 20160302 (EN)

Application

EP 06847451 A 20060907

Priority

US 2006027517 W 20060907

Abstract (en)

[origin: WO2008030216A1] Describes a method for lowering the flow of liquid anolyte through perforations in the diaphragm of a diaphragm electrolytic cell, e.g., a chlor-alkali diaphragm electrolytic cell, comprising introducing ceramic fiber into the anolyte compartment of the electrolytic cell, e.g., during cell operation. The benefits described for lowering the flow of anolyte liquor through the diaphragm of a chlor-alkali diaphragm electrolytic cell are increasing the concentration of alkali metal hydroxide, e.g., sodium hydroxide, and decreasing the concentration of hypochlorite ion, e.g., sodium hypochlorite, in the catholyte liquor. Also describes introducing dopant material and/or fibers comprising halogen-containing polymer, e.g., fluorocarbon polymer fibers, into the anolyte compartment of the electrolytic cell in conjunction with the addition of ceramic fiber into the anolyte compartment, e.g., during cell operation.

IPC 8 full level

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CPC (source: EP)

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