

Title (en)

PREPARATION OF OXYGENATED CHLORINE COMPOUNDS BY ELECTROLYSIS

Publication

EP 0013781 B1 19811111 (DE)

Application

EP 79200810 A 19791228

Priority

DE 2901221 A 19790113

Abstract (en)

[origin: US4370207A] This invention relates to a process of producing oxyacids of chlorine or salts of such acids by an electrolysis of salt solutions which are contaminated with calcium and/or magnesium or of sea water. In such processes, deposits or crusts are formed on the electrodes in the course of time, particularly in the cells to which the sea water is supplied first. For this reason, the plant must be cleaned from time to time. By means of the invention, a formation of crusts is virtually prevented in that the electrolysis is carried out (a) in an initial phase with an electrolyte flowing at a velocity above 0.7 meter per second and up to 2.0 meters per second and (b) in a succeeding phase with an electrolyte flowing at a velocity of 0.3 meter per second to less than 0.7 meter per second, the velocity of flow being stated for electrolyte which is free from gas.

IPC 1-7

C25B 1/26

IPC 8 full level

C25B 1/26 (2006.01)

CPC (source: EP US)

C25B 1/26 (2013.01 - EP US)

Cited by

USPP18483P3

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0013781 A1 19800806; EP 0013781 B1 19811111; AR 219206 A1 19800731; BR 8000148 A 19800923; DE 2901221 A1 19800724; DE 2961336 D1 19820114; JP S5594485 A 19800717; MX 153867 A 19870129; US 4370207 A 19830125

DOCDB simple family (application)

EP 79200810 A 19791228; AR 27959980 A 19800110; BR 8000148 A 19800110; DE 2901221 A 19790113; DE 2961336 T 19791228; JP 250780 A 19800111; MX 18074880 A 19800110; US 26842181 A 19810529