

Title (en)

PREPARATION OF OXY-HALOGENATED ACIDS AND THEIR SALTS BY ELECTROLYSIS

Publication

EP 0011886 B1 19811111 (DE)

Application

EP 79200618 A 19791025

Priority

DE 2850575 A 19781122

Abstract (en)

[origin: US4238302A] An improved process for recovering oxyacids of chlorine or salts of such acids by the electrolysis of sea water or of salt solutions contaminated by metal ions is disclosed wherein extensive build-up of contaminating calcium ions and/or magnesium ions as the corresponding hydroxide on the cathode is prevented by the addition of precipitating chemicals at a pH value above 9. In accordance with the invention, the precipitating chemicals are not added to the sea water or salt solution contaminated by metal ions until a layer has been built up on the cathode such that the current efficiency has increased to a value in excess of 90 percent.

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)

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0011886 A1 19800611; EP 0011886 B1 19811111; BR 7907561 A 19800708; DE 2850575 A1 19800604; DE 2961328 D1 19820114; JP S5573882 A 19800603; US 4238302 A 19801209

DOCDB simple family (application)

EP 79200618 A 19791025; BR 7907561 A 19791121; DE 2850575 A 19781122; DE 2961328 T 19791025; JP 15191779 A 19791122; US 9131279 A 19791105