

Title (en)

PROCESS FOR PRODUCING CALCIUM HYPOCHLORITE FROM CONCENTRATED HYPOCHLOROUS ACID SOLUTIONS.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON CALCIUMHYPOCHLORIT AUS LÖSUNGEN KONZENTRIERTER HYPOCHLORIGE SÄURE.

Title (fr)

PROCEDE D'ELABORATION D'HYPOCHLORITE DE CALCIUM A PARTIR DE SOLUTIONS CONCENTREES D'ACIDE HYPOCHLOREUX.

Publication

EP 0588899 A4 19950322 (EN)

Application

EP 92912512 A 19920508

Priority

- US 70749591 A 19910530
- US 79953691 A 19911127

Abstract (en)

[origin: WO9221610A1] A process for producing calcium hypochlorite which consists essentially of reacting lime or a lime slurry containing greater than 30 per cent by weight of Ca(OH)_2 with a chlorinating agent consisting of a hypochlorous acid solution containing at least about 35 percent by weight of HOCl to produce a slurry of calcium hypochlorite dihydrate crystals in a solution of calcium hypochlorite, the slurry containing at least 30 per cent of Ca(OC)l_2 and being substantially free of alkali metal and chloride ions and having a calcium chloride concentration of less than about 3 percent by weight. The process of the invention does not require the use of supplementary chlorinating agents such as chlorine or alkali metal hypochlorites and is substantially free of effluents requiring treatment and disposal.

IPC 1-7

C01B 11/06

IPC 8 full level

C01B 11/06 (2006.01)

CPC (source: EP)

C01B 11/064 (2013.01)

Citation (search report)

- [X] WO 9014306 A1 19901129 - OLIN CORP [US]
- See references of WO 9221610A1

Designated contracting state (EPC)

ES GB IT

DOCDB simple family (publication)

WO 9221610 A1 19921210; AU 2026092 A 19930108; BR 9206067 A 19941115; CA 2110298 A1 19921210; EP 0588899 A1 19940330; EP 0588899 A4 19950322; JP H06507881 A 19940908

DOCDB simple family (application)

US 9203759 W 19920508; AU 2026092 A 19920508; BR 9206067 A 19920508; CA 2110298 A 19920508; EP 92912512 A 19920508; JP 50041492 A 19920508