Title (en)

USE OF ALKALINE CARBONATE SALTS TO REDUCE THE AMOUNT OF ACRYLIC POLYMER IN A METHOD FOR GRINDING CALCIUM CARBONATE IN WATER

Title (de)

VERWENDUNG VON ALKALISCHEN CARBONATSALZEN ZUR REDUKTION DER MENGE VON ACRYLPOLYMEREN BEI VERFAHREN ZUM MAHLEN VON CALCIUMCARBONAT IN WASSER

Title (fr)

UTILISATION DE SELS ALCALINS DE CARBONATE POUR REDUIRE LA DOSE DE POLYMERE ACRYLIQUE DANS UN PROCEDE DE BROYAGE DE CARBONATE DE CALCIUM DANS L'EAU

Publication

EP 2646512 A1 20131009 (FR)

Application

EP 11799476 A 20111103

Priority

- FR 1060012 A 20101202
- IB 2011002645 W 20111103

Abstract (en)

[origin: US2012142842A1] The use of alkaline carbonate salts in a method of manufacturing an aqueous composition of calcium carbonate by grinding. These salts make it possible to reduce the quantity of grinding aid agents implemented, which are water-soluble homopolymers or copolymers of acrylic acid. These homopolymers or copolymers greatly contribute to increasing the carbon dioxide content of the atmosphere, and are derived from raw materials that come from a fossil fuel: by limiting their quantity, both the environment and our natural resources are preserved.

IPC 8 full level

C09C 1/02 (2006.01); **C01F 11/18** (2006.01); **C09K 23/52** (2022.01)

CPC (source: EP US)

C01F 11/185 (2013.01 - EP US); **C09C 1/021** (2013.01 - EP US); C01P 2004/61 (2013.01 - EP US); C01P 2006/22 (2013.01 - EP US)

Citation (search report)

See references of WO 2012073080A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2012142842 A1 20120607; BR 112013009289 A2 20160719; CN 103221489 A 20130724; CN 103221489 B 20150318; EP 2646512 A1 20131009; FR 2968219 A1 20120608; FR 2968219 B1 20121214; WO 2012073080 A1 20120607

DOCDB simple family (application)

US 201113299413 A 20111118; BR 112013009289 A 20111103; CN 201180056227 A 20111103; EP 11799476 A 20111103; FR 1060012 A 20101202; IB 2011002645 W 20111103