

Title (en)

A COMPOSITION OF MATTER COMPRISING HIGH BRIGHTNESS CALCIUM CARBONATE PIGMENTS AND PROCESSES FOR MAKING SAME

Title (de)

ZUSAMMENSETZUNG , SEHR HELLE CALCIUMCARBONATPIGMENTE ENTHALTEND UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

COMPOSITION DE MATIERE COMPRENANT DES PIGMENTS DE CARBONATE DE CALCIUM A HAUTE BRILLANCE ET PROCEDES DE FABRICATION

Publication

EP 1180090 A1 20020220 (EN)

Application

EP 00914817 A 20000302

Priority

- US 0005631 W 20000302
- US 26081299 A 19990302

Abstract (en)

[origin: WO0051941A1] High brightness, whiteness and opacity calcium carbonate pigments (44 and 58) may be produced by magnetic separation (34 and 50). A composition of matter comprising high brightness calcium carbonate pigments (44 and 58) produced by using magnetic separation (34 and 50) on a properly dispersed, minimum viscosity slurry to optimize contaminant liberation and removal, with the impurities being liberated by and during grinding (32 and 46) prior to magnetic separation (34 and 50) while maintaining said slurry temperatures at or above 50 degrees C. The magnetic separation (34 and 50) of a dispersed, minimum viscosity slurry separates coarse to ultra-fine particles in slurries ranging from 5 % to 65 % solids by, at least in part, removing and selectively separating dolomitic components from the calcium carbonate mineral systems.

IPC 1-7

C01F 11/18

IPC 8 full level

C01F 11/18 (2006.01)

CPC (source: EP)

C01F 11/185 (2013.01); **C01P 2006/60** (2013.01); **C01P 2006/80** (2013.01)

Citation (search report)

See references of WO 0051941A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0051941 A1 20000908; AU 3615800 A 20000921; CA 2364743 A1 20000908; EP 1180090 A1 20020220; MX PA01008945 A 20030721

DOCDB simple family (application)

US 0005631 W 20000302; AU 3615800 A 20000302; CA 2364743 A 20000302; EP 00914817 A 20000302; MX PA01008945 A 20000302