

Title (en)
ULTRA-DRY CALCIUM CARBONATE

Title (de)
ULTRATROCKENES CALCIUMCARBONAT UND VERWENDUNG VON DIESEM ALS RHEOLOGIESTEUERNDEN ADDITIV

Title (fr)
CARBONATE DE CALCIUM ULTRA-SEC

Publication
EP 1572589 A2 20050914 (DE)

Application
EP 03789124 A 20031204

Priority
• DE 10257696 A 20021211
• EP 0313663 W 20031204

Abstract (en)
[origin: WO2004052784A2] The invention relates to ultra-dry calcium carbonate particles, to a method for drying calcium carbonate particles, and to the use of said calcium carbonate. According to the invention, calcium carbonate particles are dried by means of microwaves. The drying process can be carried out in a continuous strip device, a chamber device, or a revolving tubular device. Calcium carbonate particles can be produced with a drying degree of between 0 and 0.1 % of H₂O.

IPC 1-7
C01F 11/18; **C09J 11/04**

IPC 8 full level
C01F 11/18 (2006.01); **C08K 3/26** (2006.01); **C09J 11/04** (2006.01)

CPC (source: EP KR US)
C01F 11/18 (2013.01 - EP KR US); **C01F 11/185** (2013.01 - EP US); **C08K 3/26** (2013.01 - EP KR US); **C09D 5/34** (2013.01 - KR); **C09J 11/04** (2013.01 - EP US); **C01P 2006/82** (2013.01 - EP US); **C08K 2003/265** (2013.01 - EP US)

Citation (search report)
See references of WO 2004052784A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
WO 2004052784 A2 20040624; **WO 2004052784 A3 20041118**; AU 2003293758 A1 20040630; AU 2003293758 A8 20040630; BR 0317136 A 20051025; CA 2509394 A1 20050609; CN 100448777 C 20090107; CN 1723173 A 20060118; DE 10257696 A1 20040624; DE 10257696 A9 20050728; EP 1572589 A2 20050914; HK 1081939 A1 20060526; HR P20050521 A2 20050831; IL 169086 A0 20090211; JP 2006509704 A 20060323; KR 20050088425 A 20050906; MX PA05006233 A 20051205; PL 377383 A1 20060206; RS 20050448 A 20070803; RU 2005121534 A 20060120; RU 2347164 C2 20090220; US 2005276897 A1 20051215; ZA 200504655 B 20060426

DOCDB simple family (application)
EP 0313663 W 20031204; AU 2003293758 A 20031204; BR 0317136 A 20031204; CA 2509394 A 20031204; CN 200380105622 A 20031204; DE 10257696 A 20021211; EP 03789124 A 20031204; HK 06102215 A 20060220; HR P20050521 A 20050609; IL 16908605 A 20050609; JP 2004557985 A 20031204; KR 20057010635 A 20050610; MX PA05006233 A 20031204; PL 37738303 A 20031204; RU 2005121534 A 20031204; US 14929605 A 20050610; YU P20050448 A 20031204; ZA 200504655 A 20050607