

Title (en)
PREPARATION OF COMPOSITIONS COMPRISING ONE OR MORE CALCIUM-MAGNESIUM COMPOUNDS IN THE FORM OF COMPACTS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ZUSAMMENSETZUNGEN, DIE EINE ODER MEHRERE CALCIUM-MAGNESIUM-VERBINDUNGEN ENTHALTEN, IN FORM VON FORMTEILEN

Title (fr)
PREPARATION DE COMPOSITIONS COMPRENANT UN OU DES COMPOSES CALCO-MAGNESIENS SOUS FORME DE COMPACTS

Publication
EP 3022154 A1 20160525 (FR)

Application
EP 14739799 A 20140711

Priority
• BE 201300485 A 20130715
• BE 201400280 A 20140422
• EP 2014064982 W 20140711

Abstract (en)
[origin: WO2015007661A1] Composition comprising at least one calcium-magnesium compound corresponding to the formula $a\text{CaCO}_3.b\text{MgCO}_3.x\text{CaO.yMgO.zCa(OH)}_2.t\text{Mg(OH)}_2.u\text{l}$, in which l represents impurities, a, b, z, t and u being mass fractions each ≥ 0 and $\leq 50\%$, x and y being mass fractions each ≥ 0 and $\leq 100\%$, with $x + y \geq 50\%$ by weight, relative to the total weight of said at least one calcium-magnesium compound, which is in the form of particles, said composition having a combined content of calcium and magnesium in the form of oxides of greater than or equal to 20% by weight and being in the form of compacts, each compact being formed from said compacted and shaped particles of calcium-magnesium compounds, said compacts having a Shatter test index of less than 10% enabling very good dropping resistance and good ageing resistance, the process for the manufacture thereof and the use thereof.

IPC 8 full level
C01F 5/02 (2006.01); **C01F 5/14** (2006.01); **C01F 5/24** (2006.01); **C01F 11/02** (2006.01); **C01F 11/18** (2006.01); **C04B 2/10** (2006.01); **C22B 1/24** (2006.01)

CPC (source: EP US)
C01F 5/02 (2013.01 - EP US); **C01F 5/14** (2013.01 - EP US); **C01F 5/24** (2013.01 - EP US); **C01F 11/02** (2013.01 - EP US); **C01F 11/18** (2013.01 - EP US); **C04B 2/10** (2013.01 - EP US); **C04B 9/00** (2013.01 - US); **C04B 14/308** (2013.01 - US); **C04B 14/36** (2013.01 - US); **C04B 16/00** (2013.01 - US); **C21C 7/04** (2013.01 - EP US); **C21C 7/076** (2013.01 - EP US); **C21C 2200/00** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

Citation (search report)
See references of WO 2015007661A1

Citation (examination)
I.M. MORSE ET AL: "Silicothermic Reduction of Dolomite Ore Under Inert Atmosphere", CANADIAN METALLURGICAL QUARTERLY, vol. 41, no. 1, 1 January 2002 (2002-01-01), pages 15 - 28, XP055199243, ISSN: 0008-4433, DOI: 10.1179/cmql.2002.41.1.15

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DOCDB simple family (application)
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