

Title (en)

Dust-free investment material for precision casting and process for the preparation of such investment materials.

Title (de)

Staubfreie Einbettmasse für passgenaue Gussstücke und Verfahren zur Herstellung dieser Einbettmassen.

Title (fr)

Composition exempte de poussière pour revêtement pour coulée de précision et procédé pour la préparation de telles compositions.

Publication

EP 0480171 B1 19940720 (DE)

Application

EP 91114886 A 19910904

Priority

DE 4032254 A 19901011

Abstract (en)

[origin: EP0480171A2] Dust-free investment materials for producing precision castings consisting of water-soluble phosphates, magnesium oxide and silicon dioxide are obtained when the investment material is divided into two components a and b, where component a contains all the magnesium oxide, where appropriate a part of the silicon dioxide and, if silicon dioxide is present, 0.4 to 6% by weight of a hydrophilic organic solvent, and component b contains the phosphate, the remainder of the silicon dioxide and at least 0.5% by weight of water.

IPC 1-7

A61K 6/033; C04B 35/20

IPC 8 full level

A61C 13/20 (2006.01); **A61K 6/00** (2006.01); **A61K 6/033** (2006.01); **A61K 6/838** (2020.01); **B22C 1/00** (2006.01); **B22C 1/08** (2006.01); **C04B 35/20** (2006.01)

CPC (source: EP US)

B22C 1/08 (2013.01 - EP US)

Cited by

EP1837069A1; EP2062665A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0480171 A2 19920415; EP 0480171 A3 19930120; EP 0480171 B1 19940720; AT E108642 T1 19940815; AU 651137 B2 19940714; AU 8574491 A 19920507; BR 9104393 A 19920609; CA 2053138 A1 19920412; DE 4032254 A1 19920416; DE 4032254 C2 19940421; DE 59102243 D1 19940825; DK 0480171 T3 19941017; ES 2059004 T3 19941101; IL 99711 A0 19920818; IL 99711 A 19951127; JP 3242680 B2 20011225; JP H0558834 A 19930309; MX 9101480 A 19920401; US 5250110 A 19931005; ZA 918090 B 19920729

DOCDB simple family (application)

EP 91114886 A 19910904; AT 91114886 T 19910904; AU 8574491 A 19911010; BR 9104393 A 19911010; CA 2053138 A 19911010; DE 4032254 A 19901011; DE 59102243 T 19910904; DK 91114886 T 19910904; ES 91114886 T 19910904; IL 9971191 A 19911010; JP 26161391 A 19911009; MX 9101480 A 19911008; US 77155891 A 19911007; ZA 918090 A 19911009