

Title (en)

SOFT MAGNETIC POWDER COMPOSITION COMPRISING INSULATED PARTICLES AND A LUBRICANT SELECTED FROM ORGANO-SILANES, -TITANATES, -ALUMINATES AND ZIRCONATES AND A PROCESS FOR THEIR PREPARATION

Title (de)

WEICHMAGNETISCHE PULVERZUSAMMENSETZUNG MIT ISOLIERTEN TEILCHEN UND SCHMIERMITTEL, AUSGEWÄHLT AUS ORGANOSILANEN, -TITANATEN, -ALUMINATEN UND ZIRKONATEN UND VERFAHREN FÜR IHRE HERSTELLUNG

Title (fr)

COMPOSITION PULVERULENTE FAIBLEMENT FERROMAGNETIQUE COMPRENANT DES PARTICULES ISOLEES ET UN LUBRIFIANT SELECTIONNE DANS UN GROUPE COMPRENANT DES ORGANO-SILANES, -TITANATES, -ALUMINATES ET ZIRCONATES ET SON PROCEDE DE PRODUCTION

Publication

EP 1575726 A1 20050921 (EN)

Application

EP 03781264 A 20031222

Priority

- SE 0302067 W 20031222
- SE 0203851 A 20021223

Abstract (en)

[origin: WO2004056508A1] The present invention concerns a new ferromagnetic powder composition comprising soft magnetic iron-based core particles wherein the surface of the core particles are surrounded by an insulating coating, and a lubricating amount of a compound selected from the group consisting of silanes, titanates, aluminates, zirconates, or mixtures thereof. The invention also concerns a process for the preparation of soft magnetic composite materials using the new powder composition.

IPC 1-7

B22F 1/02; **H01F 1/14**; **H01F 1/24**

IPC 8 full level

B22F 1/105 (2022.01); **B22F 1/16** (2022.01); **H01F 1/147** (2006.01); **H01F 1/26** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP KR US)

B22F 1/105 (2022.01 - EP KR US); **B22F 1/16** (2022.01 - EP KR US); **H01F 1/1475** (2013.01 - EP US); **H01F 1/26** (2013.01 - EP); **B22F 2998/00** (2013.01 - EP); **H01F 41/0246** (2013.01 - EP)

Citation (search report)

See references of WO 2004056508A1

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

DOCDB simple family (publication)

WO 2004056508 A1 20040708; AT E473064 T1 20100715; AU 2003288880 A1 20040714; AU 2003288880 B2 20061012; AU 2003288880 B8 20061116; BR 0317661 A 20051206; CA 2505381 A1 20040708; CA 2505381 C 20111213; CN 100548541 C 20091014; CN 1732059 A 20060208; DE 60333309 D1 20100819; EP 1575726 A1 20050921; EP 1575726 B1 20100707; ES 2348212 T3 20101201; JP 2006511711 A 20060406; JP 2010251779 A 20101104; JP 4886987 B2 20120229; KR 101035757 B1 20110520; KR 20050085871 A 20050829; MX PA05006847 A 20050816; PL 209529 B1 20110930; PL 376102 A1 20051212; RU 2005123385 A 20060327; RU 2335817 C2 20081010; SE 0203851 D0 20021223; TW 200422122 A 20041101; TW I229018 B 20050311; ZA 200503597 B 20060830

DOCDB simple family (application)

SE 0302067 W 20031222; AT 03781264 T 20031222; AU 2003288880 A 20031222; BR 0317661 A 20031222; CA 2505381 A 20031222; CN 200380107358 A 20031222; DE 60333309 T 20031222; EP 03781264 A 20031222; ES 03781264 T 20031222; JP 2004562232 A 20031222; JP 2010132843 A 20100610; KR 20057011788 A 20031222; MX PA05006847 A 20031222; PL 37610203 A 20031222; RU 2005123385 A 20031222; SE 0203851 A 20021223; TW 92136565 A 20031223; ZA 200503597 A 20031222