

Title (en)  
POWDER COMPOSITION, METHOD FOR MAKING SOFT MAGNETIC COMPONENTS AND SOFT MAGNETIC COMPOSITE COMPONENT

Title (de)  
PULVERZUSAMMENSETZUNG, VERFAHREN ZUR HERSTELLUNG VON WEICHMAGNETISCHEN KOMPONENTEN UND ZUSAMMENGESetzte WEICHMAGNETISCHE KOMPONENTE

Title (fr)  
COMPOSITION DE POUDRE, PROCEDE DE FABRICATION D'ELEMENT MAGNETIQUE DOUX ET ELEMENT COMPOSITE MAGNETIQUE DOUX

Publication  
**EP 1700319 A1 20060913 (EN)**

Application  
**EP 04809049 A 20041215**

Priority  
• SE 2004001865 W 20041215  
• SE 0303580 A 20031229

Abstract (en)  
[origin: WO2005064621A1] The invention concerns powder compositions consisting of electrically insulated particles of a soft magnetic material of an iron or iron-based powder and 0.1-20 by weight of a lubricant selected from the group consisting of fatty acid amides having 14-22 C atoms. Optionally a thermoplastic binder such as polyphenylene sulphide may be included in the composition. The invention also concerns a method for the preparation of soft magnetic composite components.

IPC 8 full level  
**H01F 1/26** (2006.01); **B22F 1/00** (2022.01); **H01F 41/02** (2006.01)

IPC 8 main group level  
**C22C** (2006.01)

CPC (source: EP KR US)  
**B22F 1/00** (2013.01 - EP KR US); **B22F 1/05** (2022.01 - EP US); **B22F 1/10** (2022.01 - EP US); **B22F 1/16** (2022.01 - EP US); **B22F 3/14** (2013.01 - EP); **C22C 38/00** (2013.01 - EP); **H01F 1/032** (2013.01 - KR); **H01F 1/26** (2013.01 - EP KR); **H01F 41/0246** (2013.01 - EP US); **B22F 1/105** (2022.01 - EP US); **B22F 3/225** (2013.01 - EP); **B22F 2003/248** (2013.01 - EP); **B22F 2009/0828** (2013.01 - EP); **B22F 2998/10** (2013.01 - EP); **B22F 2999/00** (2013.01 - EP); **C22C 33/02** (2013.01 - EP)

Citation (search report)  
See references of WO 2005064621A1

Cited by  
US11085102B2; US11253957B2; US11939646B2

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

DOCDB simple family (publication)  
**WO 2005064621 A1 20050714**; AU 2004309770 A1 20050714; AU 2004309770 B2 20080522; BR PI0418274 A 20070502; CA 2552142 A1 20050714; CA 2552142 C 20110920; CN 100533610 C 20090826; CN 1902719 A 20070124; DK 1700319 T3 20180102; EP 1700319 A1 20060913; EP 1700319 B1 20171018; ES 2655322 T3 20180219; JP 2007535134 A 20071129; JP 2010028131 A 20100204; JP 5138227 B2 20130206; KR 100775179 B1 20071112; KR 20060103539 A 20061002; PL 1700319 T3 20180530; RU 2006127438 A 20080210; RU 2326461 C2 20080610; SE 0303580 D0 20031229; TW 200534298 A 20051016; TW I394178 B 20130421; UA 78954 C2 20070425; ZA 200605385 B 20071128

DOCDB simple family (application)  
**SE 2004001865 W 20041215**; AU 2004309770 A 20041215; BR PI0418274 A 20041215; CA 2552142 A 20041215; CN 200480039452 A 20041215; DK 04809049 T 20041215; EP 04809049 A 20041215; ES 04809049 T 20041215; JP 2006546896 A 20041215; JP 2009245401 A 20091026; KR 20067012850 A 20060627; PL 04809049 T 20041215; RU 2006127438 A 20041215; SE 0303580 A 20031229; TW 93141144 A 20041229; UA A200608522 A 20041215; ZA 200605385 A 20041215