

Title (en)
COMPOSITE MATERIAL

Title (de)
KONTAKTWERKSTOFF

Title (fr)
MATIÈRE ACTIVE COMPOSITE

Publication
EP 2831298 B1 20190508 (DE)

Application
EP 13715919 A 20130326

Priority
• EP 12161247 A 20120326
• EP 2013056345 W 20130326
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Abstract (en)
[origin: EP2644723A1] The composite material comprises a metal and 0.2-60 vol.% of magnesium stannate. The magnesium stannate is present in an amount of 60 wt.%, and has a particle size of $\geq 1 \mu\text{m}$. The composite material further comprises oxides, and is obtained by a production method including powder metallurgical production and internal oxidation methods. An independent claim is included for a method for manufacturing a composite material.

IPC 8 full level
C22C 5/06 (2006.01); **E03C 1/00** (2006.01); **H01B 1/02** (2006.01); **H01H 1/02** (2006.01)

CPC (source: EP US)
B22F 3/20 (2013.01 - US); **B22F 9/04** (2013.01 - EP US); **C22C 1/051** (2013.01 - EP US); **C22C 5/06** (2013.01 - EP US); **C22C 29/12** (2013.01 - EP US); **C22C 32/001** (2013.01 - EP US); **H01B 1/02** (2013.01 - EP US); **H01B 13/0016** (2013.01 - US); **H01H 1/0237** (2013.01 - EP US); **B22F 3/04** (2013.01 - EP US); **H01H 1/02376** (2013.01 - EP US)

Citation (examination)
• JP S5019352 B1 19750705
• DATABASE WPI Section Ch Week 197531, Derwent World Patents Index; Class L03, AN 1975-51740W, XP002703252
• SPIEKERMANN P: "LEGIERUNGEN - EIN BESONDERES PATENTRECHTLICHES PROBLEM? - LEGIERUNGSPRUEFUNG IM EUROPÄISCHEN PATENTAMT -", MITTEILUNGEN DER DEUTSCHEN PATENTANWÄLTE, HEYMANN, KOLN, DE, 1 January 1993 (1993-01-01), pages 178 - 190, XP000961882, ISSN: 0026-6884

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2644723 A1 20131002; **EP 2644723 B1 20170118**; CN 104245976 A 20141224; CN 104245976 B 20170609; EP 2831298 A1 20150204; EP 2831298 B1 20190508; US 2015060741 A1 20150305; US 9928931 B2 20180327; WO 2013144112 A1 20131003

DOCDB simple family (application)
EP 12161247 A 20120326; CN 201380015121 A 20130326; EP 13715919 A 20130326; EP 2013056345 W 20130326; US 201314388171 A 20130326