

Title (en)
MAGNESIUM COMPOSITE POWDER, METHOD FOR PRODUCING SAME, MAGNESIUM BASE COMPOSITE MATERIAL AND METHOD FOR PRODUCING SAME

Title (de)
MAGNESIUMVERBUNDPULVER, HERSTELLUNGSVERFAHREN DAFÜR, VERBUNDWERKSTOFF AUF MAGNESIUMBASIS UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
POUDRE COMPOSITE DE MAGNESIUM ET SON PROCEDE DE PRODUCTION, MATERIAU COMPOSITE A BASE DE MAGNESIUM ET SON PROCEDE DE PRODUCTION

Publication
EP 1586395 A4 20080319 (EN)

Application
EP 03768386 A 20031226

Priority
• JP 0317083 W 20031226
• JP 2003002602 A 20030108

Abstract (en)
[origin: EP1586395A1] Magnesium composite powder which is a starting raw material to manufacture a particle-dispersion type of magnesium group composite material comprises magnesium alloy coarse particles (7) serving as a main component which constitutes a matrix of a magnesium alloy and fine-grained powder (8) comprising a component which reacts with magnesium to form a compound and attached on a surface of the magnesium alloy coarse particle (7) through a binder (9). <IMAGE>

IPC 1-7
B22F 1/00; **C22C 1/05**; **C22C 1/10**

IPC 8 full level
B22F 1/148 (2022.01); **C22C 1/05** (2006.01)

CPC (source: EP US)
B22F 1/148 (2022.01 - EP US); **C22C 1/05** (2013.01 - EP US)

Citation (search report)
• [X] US 5964965 A 19991012 - SCHULZ ROBERT [CA], et al
• [X] CA 2209777 A1 19960808 - ZALUSKA ALICJA [CA], et al
• [E] EP 1477576 A1 20041117 - TOUDAI TLO LTD [JP]
• [XP] WO 03027342 A1 20030403 - CT FOR ADVANCED SCIENCE & TECH [JP], et al
• [X] KONDOH, KATSUYOSHI ET AL: "Mg₂Si/ Mg composite material via solid-state synthesis processing", ADVANCES IN POWDER METALLURGY & PARTICULATE MATERIALS 1/115-1/128 CODEN: APMME3; ISSN: 1065-5824, 2002, XP009095176
• [X] KONDOH, KATSUYOSHI ET AL: "Solid-state synthesis of Mg₂Si from Mg -Si mixture powder", MATERIALS TRANSACTIONS , 42(7), 1293-1300 CODEN: MTARCE; ISSN: 1345-9678, 2001, XP009095175
• See references of WO 2004062837A1

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)
EP 1586395 A1 20051019; **EP 1586395 A4 20080319**; AU 2003292731 A1 20040810; CN 100431742 C 20081112; CN 1735472 A 20060215; JP WO2004062837 A1 20060518; US 2006057015 A1 20060316; US 2008213118 A1 20080904; WO 2004062837 A1 20040729

DOCDB simple family (application)
EP 03768386 A 20031226; AU 2003292731 A 20031226; CN 200380108504 A 20031226; JP 0317083 W 20031226; JP 2004566307 A 20031226; US 1030408 A 20080123; US 54175805 A 20050708