

Title (en)
AL/CU/MG/AG ALLOY WITH SI, SEMI-FINISHED PRODUCT MADE FROM SUCH AN ALLOY AND METHOD FOR PRODUCTION OF SUCH A SEMI-FINISHED PRODUCT

Title (de)
AL-CU-MG-AG-LEGIERUNG MIT SI, HALBZEUG AUS EINER SOLCHEN LEGIERUNG SOWIE VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN HALBZEUGES

Title (fr)
ALLIAGE AL-CU-MG-AG AVEC SI, PRODUIT SEMI-FINI REALISE A PARTIR DE CET ALLIAGE, ET PROCEDE DE REALISATION D'UN PRODUIT SEMI-FINI DE CE TYPE

Publication
EP 1518000 B1 20050831 (DE)

Application
EP 02751094 A 20020629

Priority
EP 0207193 W 20020629

Abstract (en)
[origin: WO2004003244A1] An Al/Cu/Mg/Mn alloy for the production of semi-finished products with high static and dynamic strength properties has the following composition: 0.3 - 0.7 wt. % silicon (Si), max. 0.15 wt. % iron (Fe), 3.5 - 4.5 wt. % copper (Cu), 0.1 - 0.5 wt. % manganese (Mn), 0.3 - 0.8 wt. % magnesium (Mg), 0.05 - 0.15 wt. % titanium (Ti), 0.1 - 0.25 wt. % zirconium (Zr), 0.3 - 0.7 wt. % silver (Ag), max. 0.05 wt. % others individually, max. 0.15 wt. % others globally, the remaining wt. % aluminium (Al). The invention further relates to a semi-finished product made from such an alloy and a method for production of a semi-finished product made from such an alloy.

IPC 1-7
C22C 21/16; **C22C 21/14**; **C22F 1/057**

IPC 8 full level
C22C 21/14 (2006.01); **C22C 21/16** (2006.01); **C22F 1/057** (2006.01)

CPC (source: EP US)
C22C 21/14 (2013.01 - EP US); **C22C 21/16** (2013.01 - EP US); **C22F 1/057** (2013.01 - EP US)

Cited by
EP2559779A1; WO2013023907A1; US10240228B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 2004003244 A1 20040108; AT E303457 T1 20050915; AU 2002368060 A1 20040119; DE 50204136 D1 20051006; EP 1518000 A1 20050330; EP 1518000 B1 20050831; US 2005115645 A1 20050602; US 7214279 B2 20070508

DOCDB simple family (application)
EP 0207193 W 20020629; AT 02751094 T 20020629; AU 2002368060 A 20020629; DE 50204136 T 20020629; EP 02751094 A 20020629; US 50157404 A 20040713