

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