

Title (en)
ALUMINUM-BASE ALLOY FOR CYLINDER HEADS

Title (de)
LEGIERUNG AUF ALUMINIUMBASIS FÜR ZYLINDERKÖPFE

Title (fr)
ALLIAGE A BASE D'ALUMINIUM DESTINE A LA FABRICATION DE CULASSES

Publication
EP 1190107 B1 20030305 (EN)

Application
EP 00926595 A 20000519

Priority
• BR 0000056 W 20000519
• BR 9901553 A 19990519

Abstract (en)
[origin: WO0071765A1] Aluminum-base alloy, for the production of engine cylinder heads without heat treatment, containing as alloying elements: silicon, in contents varying between 5.0 % and 10.0 %, by weight; copper, in contents varying between 4.0 % and 6.0 %, by weight; magnesium, in contents varying between 0.6 % and 1.0 %, by weight; iron, with a content of less than 0.7 %, by weight; manganese, with a content of less than 0.3 %, by weight; nickel, with a content of less than 0.1 %, by weight; zinc, with a content of less than 1.0 %, by weight; titanium, with a content of less than 0.2 %, by weight; strontium, with a content of less than 0.02 %, by weight; and tin, with a content of less than 0.20 %, by weight; the balance, making up 100 % of the weight, consisting of aluminum.

IPC 1-7
C22C 21/02; **C22C 21/04**

IPC 8 full level
C22C 21/02 (2006.01); **C22C 21/04** (2006.01)

CPC (source: EP)
C22C 21/02 (2013.01); **C22C 21/04** (2013.01); **F05C 2201/0475** (2013.01)

Cited by
CN108265205A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 0071765 A1 20001130; AU 4529400 A 20001212; BR 9901553 A 20010116; DE 60001577 D1 20030410; DE 60001577 T2 20030710; EP 1190107 A1 20020327; EP 1190107 B1 20030305

DOCDB simple family (application)
BR 0000056 W 20000519; AU 4529400 A 20000519; BR 9901553 A 19990519; DE 60001577 T 20000519; EP 00926595 A 20000519