

Title (en)
ALUMINUM ALLOY TUBE AND ALUMINUM ALLOY STRUCTURAL MEMBER FOR AUTOMOBILE USING THE SAME

Title (de)
ROHR AUS ALUMINIUMLEGIERUNG UND BAUELEMENT AUS ALUMINIUMLEGIERUNG FÜR AUTOS UNTER VERWENDUNG DAVON

Title (fr)
TUBE EN ALLIAGE D'ALUMINIUM ET ELEMENT STRUCTUREL EN ALLIAGE D'ALUMINIUM POUR AUTOMOBILE UTILISANT LEDIT TUBE

Publication
EP 1935998 A4 20081224 (EN)

Application
EP 05783336 A 20050909

Priority
JP 2005017083 W 20050909

Abstract (en)
[origin: EP1935998A1] An Al-Mg-based aluminum alloy pipe for hot working, having an alloy composition having from 2.5% by mass to 2.8% by mass of Mg, 0.25% by mass or less of Si, 0.35% by mass or less of Fe, and from 0.25% by mass to 0.35% by mass of Cr, with the balance being inevitable impurities and Al, wherein an area ratio of cavities after hot working is 2.3% or less; and an aluminum alloy structural member for automobile using the same.

IPC 8 full level
C22C 21/06 (2006.01); **B21C 37/15** (2006.01)

CPC (source: EP US)
B21C 37/065 (2013.01 - EP US); **C22C 21/06** (2013.01 - EP US); **C22F 1/047** (2013.01 - EP US)

Citation (search report)

- [X] EP 1338664 A1 20030827 - FURUKAWA ELECTRIC CO LTD [JP]
- [X] JP 2004174563 A 20040624 - MITSUBISHI HEAVY IND LTD
- [A] GB 523618 A 19400718 - ELWIN BENONI HALL, et al
- [A] JP H08311594 A 19961126 - FURUKAWA ELECTRIC CO LTD
- [A] US 1870732 A 19320809 - ITYRO IYTAKA
- See references of WO 2007029343A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1935998 A1 20080625; EP 1935998 A4 20081224; CA 2621543 A1 20070315; US 2008202647 A1 20080828; WO 2007029343 A1 20070315

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EP 05783336 A 20050909; CA 2621543 A 20050909; JP 2005017083 W 20050909; US 4439608 A 20080307