

Title (en)

WEAR-RESISTANT ALUMINUM ALLOY EXTRUDED MATERIAL HAVING EXCELLENT FATIGUE STRENGTH AND CUTTING PROPERTIES

Title (de)

VERSCHLEISSFESTES AUS EINER ALUMINIUMLEGIERUNG EXTRUDIERTES MATERIAL MIT HERVORRAGENDER  
ERMÜDUNGSRESISTENZ UND HERVORRAGENDEN SCHNEIDEEIGENSCHAFTEN

Title (fr)

MATÉRIAU EXTRUDÉ D'ALLIAGE D'ALUMINIUM RÉSISTANT À L'USURE AYANT UNE EXCELLENTE RÉSISTANCE À LA FATIGUE ET  
D'EXCELLENTE PROPRIÉTÉS DE COUPE

Publication

**EP 2450462 A4 20160727 (EN)**

Application

**EP 10794039 A 20100623**

Priority

- JP 2010060644 W 20100623
- JP 2009154439 A 20090629

Abstract (en)

[origin: US2012045359A1] A wear-resistant aluminum alloy extruded material that exhibits excellent fatigue strength and machinability is formed using an aluminum alloy that includes 3.0 to 8.0 mass % of Si, 0.1 to 0.5 mass % of Mg, 0.01 to 0.5 mass % of Cu, 0.1 to 0.5 mass % of Zr, 0.4 to 0.9 mass % of Fe, 0.01 to 0.5 mass % of Mn, 0.01 to 0.5 mass % of Cr, and 0.01 to 0.1 mass % of Ti, with the balance being Al and unavoidable impurities.

IPC 8 full level

**C22C 21/02** (2006.01)

CPC (source: EP US)

**C22C 21/02** (2013.01 - EP US)

Citation (search report)

- [A] US 2005252581 A1 20051117 - HIGASHI NOBUYUKI [JP], et al
- [A] EP 1479785 A1 20041124 - AISIN KEIKINZOKU CO LTD [JP]
- See also references of WO 2011001870A1

Cited by

CN110622243A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 2012045359 A1 20120223**; CN 102459672 A 20120516; EP 2450462 A1 20120509; EP 2450462 A4 20160727; EP 2450462 B1 20170322;  
JP 4755725 B2 20110824; JP WO2011001870 A1 20121213; WO 2011001870 A1 20110106

DOCDB simple family (application)

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