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'EXCELLENTES PROPRIÉTÉS DE COUPE

Publication

EP 2450462 B1 20170322 (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)

Cited by

CN110622243A

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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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