

Title (en)

EXTRUDED PRODUCT OF ALLOY 6XXX SUITABLE FOR FREE-CUTTING AND WITH A LOW ROUGHNESS AFTER ANODIZING

Title (de)

EXTRUDIERTES PRODUKT AUS 6XXX-LEGIERUNG, DAS ZUM FREISCHNEDEN GEEIGNET IST UND NACH DER ANODISIERUNG EINE GERINGE RAUHEIT AUFWEIST

Title (fr)

PRODUIT FILÉ EN ALLIAGE 6XXX APTE AU DÉCOLLETAGE ET PRÉSENTANT UNE FAIBLE RUGOSITÉ APRÈS ANODISATION

Publication

EP 3122912 A2 20170201 (FR)

Application

EP 15711658 A 20150320

Priority

- FR 1400703 A 20140324
- EP 2015000614 W 20150320

Abstract (en)

[origin: CA2942426A1] The invention relates to extruded products suitable for turning, made from aluminium alloy with a composition (in weight %) of: 0.4 - 0.8 Si; 0.8 - 1.2 Mg; 0.20 - 0.4 Cu; 0.05 - 0.4 Fe; Mn = 0.10; Ti < 0.15; Cr = 0.10; Bi = 0.8; Pb = 0.4; other elements < 0.05 each and < 0.15 remainder being aluminium, characterised in that the granular structure thereof is essentially recrystallised. The invention also relates to the method for the production of said products. The invention further relates to anodised turned mechanical parts obtained from extruded products according to the invention and to the production method thereof. The products of the invention are particularly suitable for the production of brake pistons and gearbox elements.

IPC 8 full level

C22C 21/00 (2006.01); **C22C 21/08** (2006.01); **C22F 1/047** (2006.01)

CPC (source: CN EP US)

C22C 21/08 (2013.01 - CN EP US); **C22F 1/002** (2013.01 - CN); **C22F 1/047** (2013.01 - CN EP US); **C25D 11/08** (2013.01 - EP); **C25D 11/10** (2013.01 - EP); **B21C 23/14** (2013.01 - US); **C25D 11/16** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3018823 A1 20150925; **FR 3018823 B1 20180105**; CA 2942426 A1 20151001; CN 106133163 A 20161116; CN 106133163 B 20190723; EP 3122912 A2 20170201; EP 3122912 B1 20240515; US 10724123 B2 20200728; US 2018202026 A1 20180719; WO 2015144303 A2 20151001; WO 2015144303 A3 20160602

DOCDB simple family (application)

FR 1400703 A 20140324; CA 2942426 A 20150320; CN 201580016463 A 20150320; EP 15711658 A 20150320; EP 2015000614 W 20150320; US 201515127414 A 20150320