

Title (en)

IMPROVED THICK WROUGHT 7XXX ALUMINUM ALLOYS, AND METHODS FOR MAKING THE SAME

Title (de)

VERBESSERTE DICKE KNETLEGIERUNGEN AUS 7XXX-ALUMINIUM UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ALLIAGES D'ALUMINIUM DE SÉRIE 7XXX CORROYÉS ÉPAIS AMÉLIORÉS ET PROCÉDÉS DE PRODUCTION CORRESPONDANTS

Publication

EP 3294917 A1 20180321 (EN)

Application

EP 16793338 A 20160509

Priority

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- US 2016031525 W 20160509

Abstract (en)

[origin: WO2016183030A1] Improved wrought 7xxx aluminum alloy products are disclosed. The improved wrought 7xxx aluminum alloy products generally include 6.0 - 10.0 wt. % Zn, 1.4 - 2.2 wt. % Mg, 1.3 - 2.5 wt. % Cu and 0.080 - 0.250 wt. % Cr. The improved wrought 7xxx aluminum alloy products generally have a thickness of from 3.0 inches to 12 inches, and realize an improved combination of properties, such an improved combination of crack deviation resistance, strength, fracture toughness and corrosion resistance.

IPC 8 full level

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CPC (source: EP KR RU US)

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Citation (search report)

- [PXA] CN 103233148 A 20130807 - BEIJING NONFERROUS METAL
- [XA] US 2007029016 A1 20070208 - GHEORGHE IULIAN [US]
- See also references of WO 2016183030A1

Designated contracting state (EPC)

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WO 2016183030 A1 20161117; CA 2982482 A1 20161117; CA 2982482 C 20230613; CN 107592887 A 20180116; CN 107592887 B 20201208; EP 3294917 A1 20180321; EP 3294917 A4 20180926; EP 3294917 B1 20220302; EP 4074851 A1 20221019; KR 102610549 B1 20231205; KR 20180004736 A 20180112; RU 2017142718 A 20190611; RU 2017142718 A3 20191017; RU 2752487 C2 20210728; US 2017088920 A1 20170330

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