

Title (en)

HIGH-STRENGTH, CORROSION RESISTANT ALUMINUM ALLOYS FOR USE AS FIN STOCK AND METHODS OF MAKING THE SAME

Title (de)

HOCHFESTE, KORROSIONSBESTÄNDIGE ALUMINIUMLEGIERUNGEN ZUR VERWENDUNG ALS LAMELLENBAND UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ALLIAGES D'ALUMINIUM À HAUTE RÉSISTANCE RÉSISTANTS À LA CORROSION DESTINÉS À ÊTRE UTILISÉS EN TANT QUE MATIÈRE PREMIÈRE D'AILETTES ET PROCÉDÉS POUR LES FABRIQUER

Publication

**EP 3475456 A1 20190501 (EN)**

Application

**EP 17711493 A 20170303**

Priority

US 2017020610 W 20170303

Abstract (en)

[origin: WO2018160189A1] Disclosed herein are high-strength, highly formable, and corrosion resistant aluminum alloys, methods of making and processing such alloys, and products prepared from such alloys. More particularly, disclosed are novel aluminum alloys exhibiting improved mechanical strength, formability, and corrosion resistance. The alloys can be used as fin stock in industrial applications, including in heat exchangers.

IPC 8 full level

**C22C 21/10** (2006.01); **C22F 1/053** (2006.01)

CPC (source: EP KR RU)

**C22C 21/08** (2013.01 - KR); **C22C 21/10** (2013.01 - EP KR RU); **C22F 1/047** (2013.01 - KR); **C22F 1/053** (2013.01 - EP KR); **F28F 21/084** (2013.01 - KR)

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

DOCDB simple family (publication)

**WO 2018160189 A1 20180907**; AU 2017305004 A1 20180920; AU 2017305004 B2 20190117; BR 112017028464 A2 20190910; BR 112017028464 B1 20221227; CA 2990212 A1 20180222; CA 2990212 C 20190528; CN 109312431 A 20190205; CN 109312431 B 20230207; EP 3475456 A1 20190501; EP 3475456 B1 20200108; ES 2772729 T3 20200708; JP 2019512592 A 20190516; JP 6639635 B2 20200205; KR 101904704 B1 20181004; MX 2017017133 A 20181210; RU 2681090 C1 20190304

DOCDB simple family (application)

**US 2017020610 W 20170303**; AU 2017305004 A 20170303; BR 112017028464 A 20170303; CA 2990212 A 20170303; CN 201780002549 A 20170303; EP 17711493 A 20170303; ES 17711493 T 20170303; JP 2018501888 A 20170303; KR 20187005242 A 20170303; MX 2017017133 A 20170303; RU 2017145366 A 20170303