

Title (en)

ALUMINUM ALLOY WITH IMPROVED EXTRUDABILITY AND CORROSION RESISTANCE

Title (de)

ALUMINIUMLEGIERUNG MIT VERBESSERTER EXTRUDIERBARKEIT UND KORROSIONSBESTÄNDIGKEIT

Title (fr)

ALLIAGE D'ALUMINIUM PRÉSENTANT UNE APTITUDE À L'EXTRUSION ET UNE RÉSISTANCE À LA CORROSION AMÉLIORÉES

Publication

**EP 4048823 A1 20220831 (EN)**

Application

**EP 20880265 A 20201014**

Priority

- US 201962925314 P 20191024
- CA 2020051370 W 20201014

Abstract (en)

[origin: WO2021077209A1] There is provided an extruded and brazed product with improved corrosion resistance by having low coarse recrystallized grain formation as well as a method for making same. The extruded and brazed product comprises an aluminum alloy comprising in weight percent Mn 0.6 – 0.75; Fe 0.11 – 0.16; Si 0.10 – 0.19; Cu < 0.01; Zn < 0.05; Ti < 0.05; optionally a grain refiner; optionally Ni < 0.01; and the balance being aluminum and inevitable impurities.

IPC 8 full level

**C22C 21/00** (2006.01); **B21C 23/02** (2006.01); **C21D 1/34** (2006.01)

CPC (source: EP KR US)

**B21C 23/002** (2013.01 - EP KR US); **B21C 23/085** (2013.01 - EP KR); **B21C 37/151** (2013.01 - EP KR); **C22C 21/00** (2013.01 - EP KR US); **C22F 1/04** (2013.01 - EP KR 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)

**WO 2021077209 A1 20210429**; AU 2020372194 A1 20220421; CA 3156358 A1 20210429; EP 4048823 A1 20220831; EP 4048823 A4 20230906; JP 2022554163 A 20221228; KR 20220085045 A 20220621; MX 2022004877 A 20220513; US 2022396858 A1 20221215

DOCDB simple family (application)

**CA 2020051370 W 20201014**; AU 2020372194 A 20201014; CA 3156358 A 20201014; EP 20880265 A 20201014; JP 2022523897 A 20201014; KR 20227016704 A 20201014; MX 2022004877 A 20201014; US 202017770317 A 20201014