

Title (en)
ALUMINUM ALLOY ARTICLE HAVING LOW ROPING AND METHODS OF MAKING THE SAME

Title (de)
ALUMINIUMLEGIERUNGSARTIKEL MIT GERINGEM SEIL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
ARTICLE EN ALLIAGE D'ALUMINIUM À FAIBLE FORMATION DE STRIES ET PROCÉDÉS DE FABRICATION ASSOCIÉS

Publication
EP 4399339 A1 20240717 (EN)

Application
EP 22786597 A 20220909

Priority

- US 202163261042 P 20210909
- US 2022043021 W 20220909

Abstract (en)
[origin: WO2023039141A1] Provided herein are aluminum alloys having low roping. Also provided herein are methods to produce aluminum alloys having low roping, which may include subjecting an unrecrystallized aluminum product to an annealing heat treatment at a predefined temperature of less than or equal to 495 °C for a length of time less than or equal to 25 minutes to generate a recrystallized aluminum product.

IPC 8 full level
C22C 21/02 (2006.01); **C22F 1/04** (2006.01); **C22F 1/043** (2006.01)

CPC (source: EP KR US)
B21B 3/00 (2013.01 - KR); **C21D 8/0236** (2013.01 - US); **C21D 8/0268** (2013.01 - US); **C21D 8/0273** (2013.01 - US); **C22C 21/02** (2013.01 - EP KR); **C22F 1/04** (2013.01 - EP US); **C22F 1/043** (2013.01 - EP 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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2023039141 A1 20230316; CA 3231689 A1 20230316; CN 118202076 A 20240614; EP 4399339 A1 20240717; JP 2024534956 A 20240926; KR 20240058902 A 20240503; MX 2024002906 A 20240508; US 2024295017 A1 20240905

DOCDB simple family (application)
US 2022043021 W 20220909; CA 3231689 A 20220909; CN 202280073965 A 20220909; EP 22786597 A 20220909; JP 2024515163 A 20220909; KR 20247011017 A 20220909; MX 2024002906 A 20220909; US 202218689801 A 20220909