

Title (en)
ALUMINUM ALLOY MATERIAL

Title (de)
ALUMINIUMLEGIERUNGSMATERIAL

Title (fr)
ALLIAGE D'ALUMINIUM

Publication
EP 4043601 A4 20231101 (EN)

Application
EP 20873687 A 20201008

Priority
• JP 2019185299 A 20191008
• JP 2020038087 W 20201008

Abstract (en)
[origin: US2022127702A1] An aluminum alloy material contains Mg: 7.0% to 10.0% (% by mass, the same applies hereinafter) and Ca: not more than 0.1%, and the aluminum alloy material contains a remainder constituted by aluminum and an inevitable impurity. The aluminum alloy material has a tensile strength of not less than 300 MPa and less than 500 MPa and an elongation of not less than 20%.

IPC 8 full level
C22C 21/06 (2006.01); **C22F 1/047** (2006.01)

CPC (source: CN EP KR US)
B21B 1/22 (2013.01 - CN); **C21D 9/0081** (2013.01 - CN); **C22C 21/06** (2013.01 - EP KR US); **C22C 21/08** (2013.01 - CN);
C22F 1/047 (2013.01 - CN EP KR US)

Citation (search report)
• [X] US 2841512 A 19580701 - COOPER HUGH S
• [X] CA 2109004 A1 19940424 - SHOJI RYO [JP], et al
• [X] EP 0598358 A1 19940525 - FURUKAWA ELECTRIC CO LTD [JP], et al
• [X] US 2018298478 A1 20181018 - SHIH DONALD S [US], et al
• [A] EP 2169088 A1 20100331 - SUMITOMO LIGHT METAL IND [JP]
• See also references of WO 2021070890A1

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)
US 2022127702 A1 20220428; CN 113557314 A 20211026; CN 117737525 A 20240322; EP 4043601 A1 20220817; EP 4043601 A4 20231101;
JP 2021059763 A 20210415; JP 7414453 B2 20240116; KR 20220078525 A 20220610; TW 202120707 A 20210601;
WO 2021070890 A1 20210415

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