

Title (en)
ALUMINUM ALLOY MATERIAL

Title (de)
WERKSTOFF AUS ALUMINIUMLEGIERUNG

Title (fr)
MATÉRIAU EN ALLIAGE D'ALUMINIUM

Publication
EP 3929319 A4 20220406 (EN)

Application
EP 19916028 A 20191220

Priority
• JP 2019028568 A 20190220
• JP 2019049979 W 20191220

Abstract (en)
[origin: EP3929319A1] Provided is an aluminum alloy material including 1.2 atom% or more and 6.5 atom% or less of Fe, and 0.005 atom% or more and less than 0.15 atom% of one or more elements selected from the group consisting of Nd, W, and Sc, with the balance being Al and unavoidable impurities.

IPC 8 full level
C22C 21/00 (2006.01); **B22D 11/06** (2006.01); **B22F 3/02** (2006.01); **B22F 3/14** (2006.01); **B22F 9/08** (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP KR US)
B22D 11/06 (2013.01 - KR); **B22F 3/02** (2013.01 - KR); **B22F 3/14** (2013.01 - KR); **B22F 9/08** (2013.01 - KR); **C22C 21/00** (2013.01 - EP KR US); **C22F 1/002** (2013.01 - US); **C22F 1/04** (2013.01 - EP KR US); **B22F 2998/10** (2013.01 - EP)

C-Set (source: EP)
B22F 2998/10 + **B22F 1/09** + **B22F 9/082** + **B22F 2009/048** + **B22F 3/02** + **B22F 3/18** + **B22F 2003/145** + **B22F 2003/208** + **B22F 2003/248**

Citation (search report)
• [E] EP 3736352 A1 20201111 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• [A] JP 2018012869 A 20180125 - NIPPON LIGHT METAL CO, et al
• [A] JP H01149935 A 19890613 - FURUKAWA ALUMINIUM
• See references of WO 2020170589A1

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)
EP 3929319 A1 20211229; **EP 3929319 A4 20220406**; CN 113474475 A 20211001; JP 7100832 B2 20220714; JP WO2020170589 A1 20211111; KR 20210127163 A 20211021; US 2022136088 A1 20220505; WO 2020170589 A1 20200827

DOCDB simple family (application)
EP 19916028 A 20191220; CN 201980092270 A 20191220; JP 2019049979 W 20191220; JP 2021501628 A 20191220; KR 20217025546 A 20191220; US 201917431965 A 20191220