

Title (en)

ALUMINUM ALLOY AND PREPARATION METHOD THEREFOR

Title (de)

ALUMINIUMLEGIERUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ALLIAGE D'ALUMINIUM ET SON PROCÉDÉ DE PRÉPARATION

Publication

EP 4067521 A4 20230104 (EN)

Application

EP 20894656 A 20200326

Priority

- CN 201911174477 A 20191126
- CN 2020081455 W 20200326

Abstract (en)

[origin: EP4067521A1] An aluminum alloy and a preparation method thereof are provided. In percentage by mass, the aluminum alloy includes: 8-11% of Si, 2-3% of Cu, 0.7-1.1% of Mg, 0.7-1.5% of Mn, 0.01-0.015% of Sr, 0.01-0.015% of Cr, 0-0.4% of Fe, 0.02-0.1% of Ti, 0.01-0.02% of Ga, 0.004-0.02% of B, 0-2% of Zn, and the balance of Al and less than 0.1% of other elements.

IPC 8 full level

C22C 21/02 (2006.01); **B22D 21/04** (2006.01); **C22C 1/02** (2006.01); **C22C 1/03** (2006.01); **C22C 1/06** (2006.01); **C22F 1/043** (2006.01)

CPC (source: CN EP US)

B22D 17/00 (2013.01 - CN); **B22D 21/04** (2013.01 - EP); **C22C 1/026** (2013.01 - CN EP US); **C22C 1/03** (2013.01 - CN EP); **C22C 1/06** (2013.01 - CN EP); **C22C 21/02** (2013.01 - CN EP US); **C22F 1/043** (2013.01 - CN EP US)

Citation (search report)

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- See also references of WO 2021103362A1

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)

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DOCDB simple family (application)

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