

Title (en)

IMPROVED ALUMINIUM BASED CASTING ALLOY

Title (de)

VERBESSERTE GUSSLEGIERUNG AUF ALUMINIUMBASIS

Title (fr)

ALLIAGE POUR COULÉE À BASE D'ALUMINIUM AMÉLIORÉ

Publication

EP 4392588 A1 20240703 (EN)

Application

EP 22859593 A 20220818

Priority

- AU 2021902652 A 20210823
- AU 2022050921 W 20220818

Abstract (en)

[origin: WO2023023704A1] An aluminium based alloy consisting essentially of (wt%): silicon: 4.0 to 8.5% magnesium: 0.07 to 0.3% titanium: 0.06 to 0.2% manganese: <0.05% iron: <0.15% chromium: <0.01% nickel: <0.01% copper: 2.5 to 4% zinc: 0 to 0.5% strontium: >0.001 to 0.03% beryllium: less than 0.0005% tin: less than 0.01% other elements (each): less than 0.05% each other elements total: less than 0.15% in total, and a balance of aluminium and other unavoidable impurities.

IPC 8 full level

C22C 1/02 (2006.01); **C22C 21/02** (2006.01)

CPC (source: AU EP)

C22C 1/026 (2013.01 - AU EP); **C22C 21/02** (2013.01 - AU EP); **C22F 1/043** (2013.01 - EP)

Citation (search report)

See references of WO 2023023704A1

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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