

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)

**WO 2023023704 A1 20230302**; AU 2022333523 A1 20240328; EP 4392588 A1 20240703

DOCDB simple family (application)

**AU 2022050921 W 20220818**; AU 2022333523 A 20220818; EP 22859593 A 20220818