

Title (en)

ADDITION OF CALCIUM AND VANADIUM TO ALMG ALLOYS

Title (de)

ZUGABE VON CALCIUM UND VANADIUM ZU ALMG-LEGIERUNGEN

Title (fr)

AJOUT DE CALCIUM ET DE VANADIUM À DES ALLIAGES ALMG

Publication

EP 4194575 A1 20230614 (EN)

Application

EP 21213909 A 20211210

Priority

EP 21213909 A 20211210

Abstract (en)

A Process for the production of an aluminium-magnesium alloy with a content of at least 1% Mg, preferably 1 - 7% Mg is suggested, where in a molten state 0.01 - 2% Ca and 0.01 - 0.3% V are added to the alloy.

IPC 8 full level

C22C 21/06 (2006.01); **C22C 1/02** (2006.01); **C22C 1/03** (2006.01)

CPC (source: EP)

C22C 1/026 (2013.01); **C22C 1/03** (2013.01); **C22C 21/06** (2013.01)

Citation (applicant)

- EP 3159422 A1 20170426 - RHEINFELDEN ALLOYS GMBH & CO KG [DE]
- EP 1090156 B1 20030319 - RHEINFELDEN ALUMINIUM GMBH [DE]

Citation (search report)

- [XAI] CN 108330351 A 20180727 - JINJIANG ANNENG BUILDING MAT MANUFACTURING CO LTD
- [XAI] CN 103695739 A 20140402 - ZHANG XIA
- [A] US 2018298473 A1 20181018 - SHIH DONALD S [US], et al

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)

EP 4194575 A1 20230614; CA 3240203 A1 20230615; WO 2023104652 A1 20230615

DOCDB simple family (application)

EP 21213909 A 20211210; CA 3240203 A 20221202; EP 2022084184 W 20221202