

Title (en)

FOUNDRIY ALLOYS FOR HIGH-PRESSURE VACUUM DIE CASTING

Title (de)

GIESSEREILEGIERUNGEN ZUM HOCHDRUCKVAKUUMGIESSEN

Title (fr)

ALLIAGES DE FONDERIE DESTINÉS AU COULAGE SOUS VIDE À HAUTE PRESSION

Publication

**EP 3914747 A1 20211201 (EN)**

Application

**EP 20744830 A 20200124**

Priority

- US 201962796735 P 20190125
- CA 2020050082 W 20200124

Abstract (en)

[origin: WO2020150830A1] The present disclosure concerns a cast aluminum alloy for making cast aluminum products, especially using high-pressure vacuum die casting operations. The cast aluminum alloy comprises, in weight percent: Ni between about 1.5 and about 6.5; Si between about 0.10 and 1.5; Mg between about 0.10 and about 3; Fe up to about 0.2; Mn up to about 0.65; Ti up to about 0.12; V up to about 0.15; Zr up to about 0.15; Mo up to about 0.15; Cr up to about 0.01; Sr up to about 0.02; and the balance being aluminum and unavoidable impurities.

IPC 8 full level

**C22C 21/00** (2006.01); **C22C 21/02** (2006.01); **C22C 21/04** (2006.01); **C22C 21/08** (2006.01)

CPC (source: EP KR US)

**B22D 21/007** (2013.01 - KR); **B22D 21/04** (2013.01 - EP); **C22C 21/00** (2013.01 - EP KR US); **C22C 21/08** (2013.01 - EP); **C22F 1/04** (2013.01 - EP US); **C22F 1/047** (2013.01 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**WO 2020150830 A1 20200730**; CA 3125339 A1 20200730; EP 3914747 A1 20211201; EP 3914747 A4 20221102; JP 2022517830 A 20220310; KR 20210118852 A 20211001; MX 2021008718 A 20210824; US 2022090234 A1 20220324

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