

Title (en)

CASTING MOLD MATERIAL AND CU-CR-ZR-AL ALLOY STARTING MATERIAL

Title (de)

GIESSFORMMATERIAL UND CU-CR-ZR-AL-LEGIERUNGSANGANGSMATERIAL

Title (fr)

MATÉRIAU DE MOULE DE COULÉE ET MATIÈRE PREMIÈRE D'ALLIAGE CU-CR-ZR-AL

Publication

**EP 3363921 B1 20220525 (EN)**

Application

**EP 16855325 A 20161005**

Priority

- JP 2015203581 A 20151015
- JP 2016079641 W 20161005

Abstract (en)

[origin: EP3363921A1] A casting mold material used in casting a metal material has a composition including 0.3 mass% or more and less than 0.5 mass% of Cr, 0.01 mass% or more and 0.15 mass% or less of Zr, 0.1 mass% or more and less than 2.0 mass% of Al; and a Cu balance including inevitable impurities and has precipitates in a needle shape or precipitates in a plate shape.

IPC 8 full level

**C22C 9/00** (2006.01); **B22C 9/06** (2006.01); **B22D 11/059** (2006.01); **C22C 9/01** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP KR US)

**B22C 9/06** (2013.01 - EP US); **B22C 9/061** (2013.01 - EP US); **B22D 11/059** (2013.01 - EP KR US); **C22C 9/00** (2013.01 - EP KR US); **C22C 9/01** (2013.01 - EP KR US); **C22F 1/08** (2013.01 - EP KR US)

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

DOCDB simple family (publication)

**EP 3363921 A1 20180822**; **EP 3363921 A4 20190403**; **EP 3363921 B1 20220525**; CN 108138262 A 20180608; CN 108138262 B 20210709; JP 2017075371 A 20170420; JP 6693078 B2 20200513; KR 102500630 B1 20230215; KR 20180070545 A 20180626; US 2018297109 A1 20181018; WO 2017065071 A1 20170420

DOCDB simple family (application)

**EP 16855325 A 20161005**; CN 201680059266 A 20161005; JP 2015203581 A 20151015; JP 2016079641 W 20161005; KR 20187004038 A 20161005; US 201615766532 A 20161005