

Title (en)

ELECTROMAGNETIC MODIFIED METAL CASTING PROCESS

Title (de)

ELEKTROMAGNETISCHES MODIFIZIERTES METALLGUSSVERFAHREN

Title (fr)

PROCÉDÉ DE COULAGE DE MÉTAL MODIFIÉ ÉLECTROMAGNÉTIQUE

Publication

EP 3630388 A1 20200408 (EN)

Application

EP 18806563 A 20180524

Priority

- US 201762510472 P 20170524
- US 2018034389 W 20180524

Abstract (en)

[origin: WO2018218022A1] A process for the electromagnetic refining of light metals being cast is provided. The process includes applying a single phase weak stationary field to the metal with a low frequency induction coil during solidification.

IPC 8 full level

B22D 11/115 (2006.01); **B22D 11/16** (2006.01)

CPC (source: EP KR US)

B22D 11/003 (2013.01 - US); **B22D 11/115** (2013.01 - EP KR US); **B22D 11/16** (2013.01 - KR); **B22D 27/02** (2013.01 - EP 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018218022 A1 20181129; CA 3064757 A1 20181129; CN 110944769 A 20200331; EP 3630388 A1 20200408; EP 3630388 A4 20201209; JP 2020521637 A 20200727; KR 20200000848 A 20200103; RU 2019141258 A 20210624; RU 2019141258 A3 20210916; US 2021162491 A1 20210603

DOCDB simple family (application)

US 2018034389 W 20180524; CA 3064757 A 20180524; CN 201880049580 A 20180524; EP 18806563 A 20180524; JP 2019564943 A 20180524; KR 20197037625 A 20180524; RU 2019141258 A 20180524; US 201816616648 A 20180524