

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)  
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Designated extension state (EPC)  
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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

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**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