

Title (en)

MOLTEN MATERIAL PROCESSING DEVICE

Title (de)

VERARBEITUNGSVORRICHTUNG FÜR GESCHMOLZENES MATERIAL

Title (fr)

DISPOSITIF DE TRAITEMENT DE MATÉRIAU FONDU

Publication

**EP 3725430 A1 20201021 (EN)**

Application

**EP 18888361 A 20181207**

Priority

- KR 20170169476 A 20171211
- KR 2018015563 W 20181207

Abstract (en)

Provided is a molten material processing device including a container which includes a molten material accommodation space formed therein, a molten material inlet part disposed at one side thereof, and a molten material outlet formed at the other side thereof, and a dam which is positioned between the molten material inlet part and the molten material outlet so that one surface thereof directly faces the molten material inlet part, is mounted on a bottom of the container and connected to two longitudinal direction side walls. The dam is mounted on a drop area of a molten material formed below the molten material inlet part and has a top surface positioned in an upper portion of the molten material. The molten material processing device is capable of increasing an area that an upward flow reaches to reduce a dead volume of the molten material, thereby improving inclusion removal capacity.

IPC 8 full level

**B22D 11/103** (2006.01); **B22D 41/00** (2006.01)

CPC (source: EP KR)

**B22D 11/103** (2013.01 - EP KR); **B22D 11/118** (2013.01 - EP); **B22D 41/00** (2013.01 - EP KR); **B22D 41/003** (2013.01 - EP)

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)

**EP 3725430 A1 20201021**; **EP 3725430 A4 20201230**; CN 111448012 A 20200724; JP 2021505397 A 20210218; KR 102033642 B1 20191108; KR 20190069093 A 20190619; WO 2019117553 A1 20190620

DOCDB simple family (application)

**EP 18888361 A 20181207**; CN 201880079794 A 20181207; JP 2020531030 A 20181207; KR 20170169476 A 20171211; KR 2018015563 W 20181207