

Title (en)

MELT TREATING APPARATUS AND MELT TREATING METHOD

Title (de)

SCHMELZBEHANDLUNGSVORRICHTUNG UND SCHMELZBEHANDLUNGSVERFAHREN

Title (fr)

APPAREIL ET PROCÉDÉ DE TRAITEMENT DE MASSE FONDUE

Publication

EP 3470149 A1 20190417 (EN)

Application

EP 16904744 A 20161124

Priority

- KR 20160071229 A 20160608
- KR 2016013628 W 20161124

Abstract (en)

The present disclosure provides a melt treating apparatus and a melt treating method applied to the same, comprising: a container is provided with a melt injection unit at the top thereof, and having a hole defined in a bottom thereof; a guide member spaced from the melt injection unit, wherein the guide member is disposed between the hole and the melt injection unit; and a chamber mounted on the top of the container so as to extend in a width direction, wherein the chamber has an inner space and an open bottom, and face away the guide member and the gas injection unit. The melt treating apparatus and the melt treating method applied to the same may effectively remove an inclusion by generating rotational flow of the melt using the guide member and the gas injection unit in the melt treatment, and using the rotational flow.

IPC 8 full level

B22D 11/103 (2006.01); **B22D 1/00** (2006.01); **B22D 11/10** (2006.01); **B22D 11/11** (2006.01); **B22D 11/117** (2006.01); **B22D 11/118** (2006.01); **B22D 41/00** (2006.01)

CPC (source: EP KR)

B22D 1/005 (2013.01 - EP); **B22D 11/103** (2013.01 - EP KR); **B22D 11/11** (2013.01 - KR); **B22D 11/117** (2013.01 - EP); **B22D 11/118** (2013.01 - EP); **B22D 41/00** (2013.01 - KR); **B22D 41/08** (2013.01 - EP)

Cited by

WO2022234109A1

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 3470149 A1 20190417; **EP 3470149 A4 20190417**; CN 109311084 A 20190205; JP 2019517392 A 20190624; KR 101834216 B1 20180305; KR 20170138860 A 20171218; WO 2017213311 A1 20171214

DOCDB simple family (application)

EP 16904744 A 20161124; CN 201680086516 A 20161124; JP 2018564322 A 20161124; KR 20160071229 A 20160608; KR 2016013628 W 20161124