

Title (en)

MOLTEN STEEL TREATMENT APPARATUS AND METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BEHANDLUNG VON GESCHMOLZENEM STAHL

Title (fr)

APPAREIL ET PROCÉDÉ DE TRAITEMENT D'ACIER FONDU

Publication

EP 3372326 B1 20200415 (EN)

Application

EP 16862352 A 20161028

Priority

- KR 20150153386 A 20151102
- KR 2016012307 W 20161028

Abstract (en)

[origin: EP3372326A1] The present disclosure provides a molten steel treatment apparatus including a main body having an inner space, an open top and a bottom having a tap hole defined therein; a fixed dam extending in a width-direction of the main body and installed in contact with both the bottom and length-direction both side walls of the main body; a control dam extending in the width-direction of the main body; and a driving part for supporting the control dam in a movable and rotatable manner. The present disclosure provides a molten steel treatment method using the apparatus. In this way, in the initial stage, middle stage and late stage of the process, the level of the molten steel contained in the main body may be controlled based on each region.

IPC 8 full level

B22D 11/118 (2006.01); **B22D 41/00** (2006.01)

CPC (source: EP)

B22D 11/118 (2013.01); **B22D 41/00** (2013.01)

Cited by

CN114981603A; EP4045861A4; WO2021076743A1

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 3372326 A1 20180912; EP 3372326 A4 20180912; EP 3372326 B1 20200415; CN 108348996 A 20180731; CN 108348996 B 20200612; JP 2018535834 A 20181206; JP 6608052 B2 20191120; KR 101779153 B1 20170918; KR 20170051051 A 20170511; WO 2017078336 A1 20170511

DOCDB simple family (application)

EP 16862352 A 20161028; CN 201680063977 A 20161028; JP 2018521579 A 20161028; KR 20150153386 A 20151102; KR 2016012307 W 20161028