

Title (en)

METHOD FOR TRANSPORTING A MELT AND METHOD FOR CASTING A MELT

Title (de)

VERFAHREN ZUM TRANSPORT VON SCHMELZE UND VERFAHREN ZUM GIESSEN VON SCHMELZE

Title (fr)

PROCÉDÉ DE TRANSPORT DE MÉTAL FONDU ET PROCÉDÉ DE COULÉE DE MÉTAL FONDU

Publication

EP 3941662 B1 20230614 (DE)

Application

EP 20721383 A 20200317

Priority

- AT 502342019 A 20190319
- AT 509202019 A 20191024
- AT 2020060099 W 20200317

Abstract (en)

[origin: WO2020186280A1] The invention relates to a melt transporting device (1) comprising a melt container (3) in which a melt receiving chamber (4) is formed and comprising a spout (5), said spout (5) having a spout opening (6). A gas valve (7) is provided which is fluidically connected to the melt receiving chamber (4) and which is designed to regulate the introduction of gas into the melt receiving chamber (4). Furthermore, a) the spout (5) is equipped with a siphon (13) which has a reservoir (14) that is arranged between the melt receiving chamber (4) and the spout opening (6), and the reservoir (14) has an overflow level (17), wherein a siphon wall (15) is provided which has a siphon wall lower edge (41), and the siphon wall (15) protrudes into the reservoir (14) such that the siphon wall lower edge (41) is arranged on a lower level than the overflow level (17) of the reservoir (14), and/or b) the spout (5) is equipped with a filter (24) which has a mesh width (25) between 0.05 mm and 10 mm.

IPC 8 full level

B22D 35/00 (2006.01); **B22D 37/00** (2006.01); **B22D 39/06** (2006.01); **B22D 41/12** (2006.01); **B22D 41/13** (2006.01); **B22D 41/14** (2006.01)

CPC (source: EP)

B22D 35/00 (2013.01); **B22D 37/00** (2013.01); **B22D 39/06** (2013.01); **B22D 41/12** (2013.01); **B22D 41/13** (2013.01); **B22D 41/14** (2013.01)

Citation (examination)

JP H1133696 A 19990209 - UBE INDUSTRIES

Cited by

WO2024007044A1; WO2024007045A1

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)

WO 2020186280 A1 20200924; EP 3941662 A1 20220126; EP 3941662 B1 20230614

DOCDB simple family (application)

AT 2020060099 W 20200317; EP 20721383 A 20200317