

Title (en)

HOT RUNNER FEED SYSTEM FOR A DIECASTING MOULD

Title (de)

HEISSKANAL-ANGUSSSYSTEM FÜR EINE DRUCKGIESSFORM

Title (fr)

SYSTÈME D'INJECTION DE CANAL CHAUFFANT POUR UN MOULE DE COULÉE SOUS PRESSION

Publication

**EP 3302852 A1 20180411 (DE)**

Application

**EP 16727995 A 20160603**

Priority

- DE 102015210400 A 20150605
- EP 2016062695 W 20160603

Abstract (en)

[origin: WO2016193458A1] The invention relates to a hot runner feed system for a diecasting mould, wherein the feed system comprises a manifold-and-feed block construction with an inlet-side feed inflow opening (1), at least one first and one second outlet-side feed outlet opening (2, 3), which open out into a mould parting plane between a fixed mould half and a movable mould half of the diecasting mould, and comprises a branching runner structure (5), extending from the feed inflow opening to the feed outlet openings. According to the invention, at least in an outlet-side block region comprising the two feed outlet openings, the manifold-and-feed block construction is produced as shortened in a transverse direction parallel to the mould parting plane with respect to a prescribed desired operating extent by an amount (B-b) which is predetermined as a thermal transverse expansion of this block region when it is heated from a room temperature range to a comparatively increased, prescribed operating temperature range. Use for example for the diecasting of nonferrous alloys and molten salts.

IPC 8 full level

**B22D 17/22** (2006.01)

CPC (source: EP US)

**B22C 9/082** (2013.01 - EP US); **B22D 17/2209** (2013.01 - EP US); **B22D 17/2218** (2013.01 - EP US); **B22D 17/2272** (2013.01 - EP US); **B22D 17/32** (2013.01 - EP US); **B22D 17/2227** (2013.01 - EP US); **B22D 18/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2016193458A1

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)

**DE 102015210400 A1 20161208**; CN 107848025 A 20180327; CN 107848025 B 20210611; EP 3302852 A1 20180411; EP 3302852 B1 20220803; ES 2928758 T3 20221122; HK 1245718 A1 20180831; JP 2018520006 A 20180726; JP 6802192 B2 20201216; PL 3302852 T3 20221227; PT 3302852 T 20220922; US 10618108 B2 20200414; US 2018354025 A1 20181213; WO 2016193458 A1 20161208

DOCDB simple family (application)

**DE 102015210400 A 20150605**; CN 201680042306 A 20160603; EP 16727995 A 20160603; EP 2016062695 W 20160603; ES 16727995 T 20160603; HK 18105433 A 20180425; JP 2017563170 A 20160603; PL 16727995 T 20160603; PT 16727995 T 20160603; US 201615579806 A 20160603