

Title (en)
MOLD

Title (de)
FORM

Title (fr)
MOULE

Publication
EP 3795273 A4 20210324 (EN)

Application
EP 19804126 A 20190513

Priority
• KR 20180055134 A 20180514
• KR 2019005738 W 20190513

Abstract (en)
[origin: WO2019221469A1] An embodiment of the present invention relates to a mold for solidifying a molten steel injected into an inner space thereof, the mold comprising: a body having an inner space; and a convex member protruding from an inner surface of the body in the direction toward the inner space, wherein the length of protrusion from the inner surface in the direction toward the inner space is reduced as it goes toward the lower side of the convex member. A mold according to embodiments of the present invention can restrict or prevent a surface defect and a break-out due to contraction of a solidification shell, compared to a conventional mold. That is, a mold according to embodiments of the present invention has an improved compensation rate with respect to contraction of a solidification shell, compared to a conventional mold. Particularly, a mold according to embodiments of the present invention has an improved compensation rate with respect to contraction of a solidification shell (C) in the direction toward a shorter side of the solidification shell (C), compared to a conventional mold. Therefore, the mold can restrict or prevent generation of a gap between an inner surface of the mold and the solidification shell, thereby restricting or preventing a solidification delay phenomenon due to the gap.

IPC 8 full level
B22D 11/04 (2006.01); **B22D 11/041** (2006.01); **B22D 11/057** (2006.01)

CPC (source: EP KR)
B22D 11/04 (2013.01 - EP KR); **B22D 11/0406** (2013.01 - EP); **B22D 11/041** (2013.01 - EP); **B22D 11/057** (2013.01 - EP)

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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 3795273 A1 20210324; **EP 3795273 A4 20210324**; **EP 3795273 B1 20230802**; **EP 3795273 C0 20230802**; CN 112118924 A 20201222;
CN 112118924 B 20230131; JP 2021521016 A 20210826; JP 7037670 B2 20220316; KR 102074364 B1 20200206;
KR 20190130430 A 20191122; WO 2019221469 A1 20191121

DOCDB simple family (application)
EP 19804126 A 20190513; CN 201980032076 A 20190513; JP 2020564092 A 20190513; KR 20180055134 A 20180514;
KR 2019005738 W 20190513