

Title (en)

Flow-through mould for the strand casting of a strand, especially with billets or bloom profile

Title (de)

Durchlaufkokille zum Stranggießen eines Strangs, insbesondere mit Knüppel- oder Vorblockprofil

Title (fr)

Lingotière de passage pour la coulée d'une barre, notamment avec profilés de blooms ou de billettes

Publication

EP 2620236 A3 20170719 (DE)

Application

EP 12196675 A 20121212

Priority

AT 500142012 A 20120130

Abstract (en)

[origin: EP2620236A2] Open-ended mold comprises: an inner tube (2), which is open on both sides, and forms a mold cavity along a longitudinal axis (3); a number of cooling slots (5) arranged in at least one outer surface of the inner tube; a cuff (7) enclosing many cooling slots in a lateral surface of the inner tube; and an outer tube enclosing the inner tube and the cuff in a fluid tight manner, such that a cooling jacket is formed between the inner- and the outer tube. The cuff completely encloses the inner tube in a plane normal to the longitudinal axis, and the cuff is connected with the inner tube by joining. Open-ended mold comprises: an inner tube (2), which is open on both sides, forms a mold cavity along a longitudinal axis (3); a number of cooling slots (5) arranged in at least one outer surface of the inner tube, extending over a length portion of the inner tube parallel to the longitudinal axis; a cuff (7) enclosing many cooling slots in a lateral surface of the inner tube transverse to the longitudinal axis, such that a cooling fluid flows in a cooling slit between the inner pipe and the cuff; and an outer tube enclosing the inner tube and the cuff in a fluid tight manner, such that a cooling jacket is formed between the inner- and the outer tube. The cuff completely encloses the inner tube in a plane normal to the longitudinal axis, and the cuff is connected with the inner tube by joining. An independent claim is also included for a continuous casting machine comprising the above open-ended mold, where a meniscus of liquid metal melt is arranged in the longitudinal region during operating the open-ended mold.

IPC 8 full level

B22D 11/041 (2006.01); **B22D 11/043** (2006.01); **B22D 11/055** (2006.01)

CPC (source: AT EP)

B22D 11/04 (2013.01 - AT); **B22D 11/041** (2013.01 - AT EP); **B22D 11/043** (2013.01 - EP); **B22D 11/055** (2013.01 - AT EP)

Citation (search report)

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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 2620236 A2 20130731; **EP 2620236 A3 20170719**; AT 512433 A1 20130815; AT 512433 B1 20170815; CN 103223476 A 20130731; CN 103223476 B 20160302

DOCDB simple family (application)

EP 12196675 A 20121212; AT 500142012 A 20120130; CN 201310035431 A 20130130