

Title (en)

Mould for continuous casting of metals, especially of steel.

Title (de)

Kokille zum Stranggiessen von Metallen, insbesondere von Stahl.

Title (fr)

Coquille pour la coulée continue de métaux notamment d'acier.

Publication

EP 0498296 B1 19940518 (DE)

Application

EP 92101506 A 19920130

Priority

- CH 36791 A 19910206
- CH 326391 A 19911108

Abstract (en)

[origin: EP0498296A2] In moulds for continuous casting of polygonal strand cross-sections, especially with quadrangular or hexagonal cross-section, the mould cavity (6) can have different geometrical shapes on the pouring-in side (4) and the strand outlet side (5). A better cooling of the crust of the strand is to be achieved by a targeted deformation of the strand cross section within the mould, in order to improve the strand quality and in addition to increase the casting speed. It is proposed for this purpose to provide, in each peripheral section of the mould cavity (6), a cross-sectional enlargement (7) in the form of a bulge (9), the extent (10) of the bulge (9) decreasing in the running direction (11) of the strand, at least along a partial length (12) of the mould cavity (6), such that the cross-sectional shape of the strand is deformed during passage through the partial length (12) of the mould cavity (6). <IMAGE>

IPC 1-7

B22D 11/04; **B22D 11/00**

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/041** (2006.01); **B22D 11/057** (2006.01)

CPC (source: EP KR US)

B22D 11/00 (2013.01 - KR); **B22D 11/04** (2013.01 - KR); **B22D 11/041** (2013.01 - EP US)

Cited by

CN102470425A; DE19781990B4; EP1033190A1; EP0931608A1; ITUB20155525A1; EP0958871A1; TR28425A; DE19508169C5; EP0730923A1; AT404235B; US5799719A; CN1081498C; EP0685280A1; US5598885A; EP0685279A1; US5592988A; DE19606291C5; DE19606291B4; DE4318105B4; RU2484921C2; EP2025432A1; US7631684B2; US6546992B2; US6612361B2; WO9633034A1; WO2011023483A1; WO9520443A1; WO2009015782A3; WO2004043628A1; WO9635532A1; WO9317817A1

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