

Title (en)

Continuous casting mold for casting beam blanks, especially I-beams

Title (de)

Kokille zum Stranggiessen von Vorprofilen, insbesondere Doppel-T-Vorprofilen

Title (fr)

Lingotière pour coulée continue d'ébauches de poutre

Publication

EP 2263815 B1 20151007 (DE)

Application

EP 09405091 A 20090603

Priority

EP 09405091 A 20090603

Abstract (en)

[origin: EP2263815A1] The mold (6) for the continuous casting of double T-shaped preliminary sections, comprises a mold passage (8), where all the interior walls (7a, 7b, 7c, 7d, 7e, 7f, 7g, 7h, 7i, 7j, 7k, 7l) of the mold in the mold passage have a tapered course running linearly from top to bottom. The tapered course is dimensioned depending on the degree of shrinkage of the cast strand. The interior walls are linear, curve-shaped, curved and/or parabolic and are adapted for the stiffness of cast strand. The interior walls are produced through chip removing machining. The mold (6) for the continuous casting of double T-shaped preliminary sections, comprises a mold passage (8), where all the interior walls (7a, 7b, 7c, 7d, 7e, 7f, 7g, 7h, 7i, 7j, 7k, 7l) of the mold in the mold passage have a tapered course running linearly from top to bottom. The tapered course is dimensioned depending on the degree of shrinkage of the cast strand. The interior walls are linear, curve-shaped, curved and/or parabolic and are adapted for the stiffness of cast strand. The interior walls are produced through chip removing machining. The middle of the mold passage is formed through its middle axis and/or through the plain transverse to longitudinal formation of the mold.

IPC 8 full level

B22D 11/00 (2006.01); **B22D 11/04** (2006.01)

CPC (source: EP KR US)

B22D 11/009 (2013.01 - EP US); **B22D 11/04** (2013.01 - KR); **B22D 11/0406** (2013.01 - EP US)

Citation (opposition)

Opponent : ARCELORMITTAL

- EP 1145786 A1 20011017 - CONCAST STANDARD AG [CH]
- 1 January 2003, THE AISE STEEL FOUNDATION, article HERBERT P. FOSTERT, MANFRED M. WOLF: "Chapter 16 Beam Blank Casting Technology", XP055296889

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

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