

Title (en)
Method and apparatus for the continuous casting of double-T-bleam blanks

Title (de)
Verfahren und Vorrichtung zum Stranggiessen Doppel-T-Vorprofilen

Title (fr)
Procédé et dispositif pour la coulée continue des blooms profilés à double T

Publication
EP 1815925 B1 20110727 (DE)

Application
EP 05028469 A 20051224

Priority
EP 05028469 A 20051224

Abstract (en)
[origin: WO2007073863A1] In a method for the continuous casting of preliminary steel sections, in particular preliminary double-T sections, the liquid steel is introduced substantially vertically into an open-ended die (1). The cross section of the cavity of this open-ended die (1) is made up of two flange parts (2, 3) and a web part (4). The liquid core of the strand of the preliminary section is set in agitating motions transversely to the direction of continuous casting by using electromagnetically induced forces in the region of the flange parts (2, 3) and/or of the web part (4). The agitating motions have the effect of exchanging the liquid steel in the molten crater of the strand of the preliminary section between the flange parts (2, 3) and the web part (4). This allows the flow and temperature conditions in the liquid steel crater within the strand shell of the preliminary section to be actively influenced in a targeted manner and stabilization of the region of the surface of the liquid metal to be brought about, along with favourable and controllable flow conditions.

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