

Title (en)
METHOD AND DEVICE FOR CONTINUOUSLY CASTING A PROFILE MEMBER BLANK

Title (de)
VERFAHREN UND VORRICHTUNG ZUM STRANGGIESSEN EINES PROFILTEILROHLINGS

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR LA COULÉE CONTINUE D'UNE ÉBAUCHE DE PROFILÉ

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Abstract (en)
[origin: WO2012175822A1] The invention relates to a method for continuously casting a metal profile member blank, the cross-section of which comprises at least one portion (4), the concavity of which is oriented toward the outside of the profile member, wherein according to said method liquid metal is poured into a ingot mold (10) for continuous casting, said mold including a cooled ingot-mold body (11) that defines a runner (12), the cross-section of which corresponds to the cross-section of the blank, wherein the cross-section of the runner includes at least two adjacent portions (110; 111A, 111B) connected via a concave portion (112A, 112B), the concavity of which is oriented toward the outside of the runner. The runner of the ingot mold has a taper C, a length Lc, and a minimum transverse thickness Emin, and the core of the blank has a solidification time ts, characterized in that, once the priming is carried out, the extraction speed is maintained above a minimum extraction speed $V_{min} = (Lc / ts) \times A / (A + Lc C E_{min})$. The invention also relates to a dummy head.

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