

Title (en)
CONTINUOUS-CASTING MOULD FOR STEEL STRIP

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Application
EP 87116456 A 19871107

Priority
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Abstract (en)
[origin: US4811779A] The invention provides a mold for the continuous casting of steel strip. The mold is arranged with a mold cavity having a longitudinal axis parallel to the casting direction. The width of the cavity in its upstream area is sufficient to provide at least the required minimum spacing between the pouring tube and the walls of the mold. The mold comprises side- and end-walls arranged respectively to define a cavity having three portions, the first being of substantially the same parallelepipedal cross-section as the strip being cast; the second being a flared area in the upper central area of the mold to accommodate a pouring tube, wherein the side-walls are tapered inwardly from the upper part of the mold to a lower point at which the cross-section of the mold approximates the size and shape of the strip being cast; and the third being a strand shell formation initialization zone in the flared area having walls extending in substantial alignment with the longitudinal axis of the mold from the surface level of the molten bath at which the strand shell starts to form, to a point where the strand shell is sufficiently thick to withstand tapering inwardly without wrinkling or rupturing.

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Cited by
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