

Title (en)
CRYSTALLIZER FOR CONTINUOUS CASTING

Title (de)
KRISTALLISATOR ZUM STRANGGIESSEN

Title (fr)
LINGOTIÈRE POUR LA COULÉE CONTINUE

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Abstract (en)
[origin: WO2016178153A1] A crystallizer for a continuous casting of blooms or billets comprising a first tubular body (1), defining an axis X and the cross section of which, along a plane orthogonal to axis X, is adapted to define the shape of said blooms or billets, the inner surface of said first tubular body coming into contact with a molten metal; a second tubular body (2), coaxial and externally adjacent to the first body, having a first thickness and arranged at a first zone of the first body (1), corresponding to the meniscus zone during the casting; a third tubular body (3), coaxial and external to the first body (1), having a second thickness smaller than said first thickness and arranged at a second zone of the first body, corresponding to a zone that is lower and adjacent to the meniscus zone; wherein the outer surface of the first body, together with the inner surface of the second tubular body (2) and the inner surface of the third tubular body (3) define channels (4), parallel to one another and parallel to the longitudinal axis X, for the passage of a cooling liquid, and wherein said first monolithic tubular body (1) is made of a first material which is less rigid than a second material of which the second tubular body (2) is made.

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