

Title (en)

METHOD FOR PRODUCING A LOW-ALLOY STEEL INGOT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER NIEDRIGLEGIERTEN STAHLBARREN

Title (fr)

PROCÉDÉ POUR FABRIQUER UN LINGOT D'ACIER FAIBLEMENT ALLIÉ

Publication

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Application

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Abstract (en)

[origin: CA2951574A1] The invention relates to a method for producing a low-alloy steel ingot, comprising the following steps: a) melting all or part of an electrode using a vacuum arc remelting process, the electrode comprising, before melting, iron and carbon, the melted portion of the electrode being collected in a crucible and thus forming a melt within the crucible, and b) solidifying the melt by means of a heat exchange between the melt and a coolant, the heat exchange carried out enabling an average solidification speed to be established during step b), which is no higher than 45 µm/s, and enabling a low-alloy steel ingot to be obtained.

IPC 8 full level

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