

Title (en)

METHOD FOR CONTROLLED COOLING OF FORGED PARTS MADE OF MICROALLOYED STEEL

Title (de)

VERFAHREN ZUM KONTROLLIERTEN KÜHLEN VON GESCHMIEDETEN TEILEN AUS EINEM MIKROLEGIERTEN STAHL

Title (fr)

PROCÉDÉ DE REFROIDISSEMENT CONTRÔLÉ DE PIÈCES FORGÉES EN ACIER MICROALLOYÉ

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a method for controlled cooling of forged parts made of microalloyed steel, comprising the following sequence of actions: forming a part made of microalloyed steel by means of conventional forging; depositing the part, at a temperature comprised within the range of 1100-1300 °C, on a conveyor element (1); linearly moving the conveyor element (1) for first cooling, in open air, of the part; introducing the part into a closed chamber (2) for second cooling which is controlled and slowed down by means of air currents; removing the part from the closed chamber (2) for third cooling of the part, in open air; introducing the part inside a sudden cooling chamber (3) for sudden cooling of the entirety of the surface of the part by direct contact with a liquid coolant; and removing the part and transporting to a machining area.

IPC 8 full level

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Citation (applicant)

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