Title (en)

METHOD FOR THE CONTINUOUS PRODUCTION OF STEEL WIRE OR BAR

Title (de)

VERFAHREN ZUR KONTINUIERLICHEN HERSTELLUNG VON DRAHT- ODER STABSTAHL

Title (fr)

PROCÉDÉ DE PRODUCTION EN CONTINU DE FILS D'ACIER OU DE BARRES D'ACIER

Publication

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Application

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Abstract (en)

[origin: WO2008058410A1] The invention relates to a method for the continuous production of steel wire or bar, wherein a first hot-forming is carried out by rolling at a temperature above the recrystallization temperature, and wherein the overall degree of forming during the first hot-forming is at least 60%. Next, the rolled steel is cooled to below the recrystallization temperature, and then a final forming takes place at a temperature in the range of the non-recrystallized austenite. The cooldown is carried out in a manner that inhibits a potential growth of grains in the austenite rolled steel before the final forming. The overall degree of forming during the final forming is at least 30%. Finally, the rolled steel is cooled down to a predetermined heat holding temperature at the Ar₁temperature and left at said temperature for a predetermined heat holding time.

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