

Title (en)

METHOD AND DEVICE FOR PATENTING STEEL WIRES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM PATENTIEREN VON STAHLDRÄHTEN

Title (fr)

PROCEDE ET DISPOSITIF DE PATENTAGE DE FILS EN ACIER

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Application

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Abstract (en)

[origin: US7354493B2] Disclosed is a method for patenting at least one steel wire, according to which the temperature is increased at least to a level at which the steel austenitizes, followed by quenching in a liquid medium by directing the wire through at least one curtain of cooling liquid so as to obtain a cooling temperature that lies below the austenitizing temperature, the liquid flowing in a turbulent manner substantially perpendicular to the wire, followed by an isothermal stage during which the wire is maintained at a constant temperature allowing pearlitic transformation. The inventive method is characterized by the fact that additionally, a number of successive curtains can be specifically adjusted so as to obtain the temperature which allows pearlitic transformation and is to be kept constant during the isothermal stage as the cooling temperature through the cooling process in a liquid medium, and the isothermal stage immediately follows the cooling process in a liquid medium.

IPC 8 full level

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