

Title (en)

METHOD FOR DRAWING A STEEL WIRE HAVING A CARBON LEVEL BY MASS OF BETWEEN 0.05% INCLUSIVE AND 0.4% EXCLUSIVE

Title (de)

VERFAHREN ZUM ZIEHEN EINES STAHLDRAHTES MIT EINEM KOHLENSTOFFMASSEGEHALT ZWISCHEN EINSCHLIESSLICH 0,05% UND AUSSCHLIESSLICH 0,4%

Title (fr)

PROCÉDÉ DE TRÉFILAGE D'UN FIL D'ACIER COMPRENANT UN TAUX DE CARBONE EN MASSE COMPRIS ENTRE 0,05 % INCLUS ET 0,4 % EXCLU

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Application

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Abstract (en)

[origin: WO2015075163A1] The invention relates to a method for drawing a steel wire, said method being applicable to a wire having a carbon level by mass C such that $0.05\% < C < 0.4\%$, and an entirely ferritic, pearlitic or ferritic-pearlitic microstructure. The method comprises an uninterrupted series of steps (7001 - 700m) of drawing the wire of a diameter d' to a diameter d, d' and d being expressed in mm, wherein the rational deformation $\epsilon' = 2 \cdot \ln(d'/d)$ is such that $\epsilon' > 4$.

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