

Title (en)

METHOD FOR MAKING STEEL WIRES AND SHAPED WIRES, AND USE THEREOF IN FLEXIBLE DUCTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON STAHLDRÄHTEN, VERSTÄRKUNGSDRÄHTE UND VERWENDUNG IN BIEGSAMEN ROHRLEITUNGEN

Title (fr)

PROCEDE DE FABRICATION DE FILS EN ACIER - FILS DE FORME ET APPLICATION A UNE CONDUITE FLEXIBLE

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Application

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Abstract (en)

[origin: WO9628575A1] A method for making steel wires, wherein an elongate shaped wire is produced by rolling or drawing steel consisting of 0.05-0.8 % C, 0.4-1.5 % Mn, 0-2.5 % Cr, 0.1-0.6 % Si, 0-1 % Mo, no more than 0.25 % Ni, and no more than 0.02 % S and P, and a first heat treatment is performed on the shaped wire, including at least one step of quenching under predetermined conditions to achieve an HRC hardness of at least 32, a predominantly martensitic and bainitic steel structure and a small amount of ferrite. A shaped wire and a flexible tube for conveying an H₂S-containing effluent are disclosed.

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