

Title (en)
METHOD AND DEVICE FOR RESHAPING TUBES

Title (de)
VERFAHREN UND VORRICHTUNG ZUM UMFORMEN VON ROHREN

Title (fr)
PROCEDE ET DISPOSITIF POUR MODIFIER LA FORME DE TUBES

Publication
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Application
EP 02787390 A 20021119

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Abstract (en)
[origin: US7251972B2] A method and an apparatus for reshaping a tube having an initial outside diameter, an initial wall thickness, and an initial length to form a tube have a reshaped outside diameter, a reshaped length, and a reshaped wall thickness, wherein at least one of the reshaped outside diameter, the reshaped length, and the reshaped wall thickness is different than a respective one of the initial outside diameter, the initial wall thickness, and the initial length. The method includes mounting the tube between two axially displaceable pressure rams with the ends of the tube against respective rams; applying an internal hydraulic pressure to the tube; applying an axial mechanical pressure to the tube via the rams; and simultaneously and uniformly cold-working the tube over its entire length by adjusting the internal hydraulic pressure and the axial mechanical pressure as a function of the reshaped outside diameter, the reshaped wall thickness, and the reshaped length.

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