

Title (en)

METHOD AND DEVICE FOR PRODUCING AT LEAST PARTIALLY PROFILED TUBES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON MINDESTENS TEILWEISE PROFILIERTEN ROHREN

Title (fr)

PROCEDE ET DISPOSITIF POUR REALISER DES TUBES AU MOINS PARTIELLEMENT PROFILES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005023454A1] The invention relates to a method for producing tubes that are at least partially profiled on their interior and preferably on their exterior from a hollow cylindrical blank (3), using a mechanical cold forming method. According to said method, the end of the blank (3) that is not to be machined (3') is fed to a clamping device (10). The blank (3) is then secured in the clamping device (10) and a mandrel (2) is subsequently inserted into the end of region (3') of the blank (3) that is to be machined. A lance (8) is guided in said mandrel so that it can be coaxially displaced in a longitudinal direction and the free end of said lance (8') can be introduced into the clamping device (10). The tip (8') of the lance (8) is then brought into a positive fit with the clamping device (10) in the axial direction of the blank (3) and the mandrel (2), together with the clamping device (10) and the blank (3) is guided axially through a fixed machining point (6). Radial exterior machining of the surface of the blank (3) along the section that is to be machined (3'') takes place at said machining point (6), to create the interior and exterior profiling of the blank (3). During said process, the mandrel (2) is preferably rotated about its axis in an intermittent manner. The invention also relates to a device for carrying out said method.

IPC 8 full level

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