

Title (en)
METHOD AND DEVICE FOR THE CONTINUOUS PRODUCTION OF WORKPIECES FROM AN UNPROFIED LONGITUDINAL SECTION AND USE THEREOF

Title (de)
VERFAHREN UND VORRICHTUNG ZUR KONTINUIERLICHEN HERSTELLUNG VON WERKSTÜCKEN AUS EINEM UNPROFILIERTEN LÄNGSPROFIL SOWIE DEREN VERWENDUNG

Title (fr)
PROCEDE ET DISPOSITIF DE FABRICATION CONTINUE DE PIECES A PARTIR D'UNE COUPE LONGITUDINALE NON PROFILEE ET UTILISATION DE CELLES-CI

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Abstract (en)
[origin: WO0243896A1] The invention relates to a method and a device for the continuous production of workpieces (12, 12', 12'') from an unprofiled longitudinal section (14, 14') with a round surface (16) and/or at least one bore (16') or similar recess. Said device comprises a device (18) for producing internal stresses in the unprofiled longitudinal section (14, 14'), using three cylinders (20, 20', 20'', 20''') which are arranged in parallel, around the longitudinal section (14, 14'). Said cylinders are at least partially provided with an outer section (24, 24') which acts on the longitudinal section (14, 14'), in the form of beads (26) and extensions (28) which are at an angle (α , α') to the longitudinal axis (22, 22', 22'') of the cylinder (20, 20', 20''). The cylinders can rotate individually about their longitudinal axes (22, 22', 22'', 22''') as well as jointly about the longitudinal section (14, 14'). The inventive device also comprises a device (68) for forming a profile on the longitudinal section (14, 14') that is put under internal stresses without cutting, this device comprising at least one other cylinder (70, 80), and a device (82) for separating a segment of the longitudinal section (14, 14') that has been provided with a profile in order to form a profiled workpiece (12, 12', 12'') from said longitudinal section. The invention also relates to the use of the inventive device and method.

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