

Title (en)  
DEVICE FOR PROCESSING ELONGATE WORKPIECES WITHOUT CUTTING

Title (de)  
VORRICHTUNG ZUR SPANLOSEN BEARBEITUNG LANGGESTRECKTER WERKSTÜCKE

Title (fr)  
DISPOSITIF D'USINAGE SANS ENLÈVEMENT DE COPEAUX DE PIÈCES ALLONGÉES

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Abstract (en)  
[origin: WO2011022747A1] The invention relates to a device for processing elongate workpieces without cutting in order to produce a thread-like outer profile by means of at least one shaping roller arrangement (9, 10, 11) having shaping rollers (12, 13, 14), which can be rotated about respective axes (12', 13', 14'), wherein the shaping roller arrangement (9, 10, 11) surrounds the workpiece to be processed, wherein a feed motion between the shaping rollers (12, 13, 14) and the workpiece is established in the circumferential direction of the workpiece and axially to the workpiece, and wherein the shaping rollers (12, 13, 14) are brought into a shaping engagement with the workpiece in succession during a complete revolution around the workpiece, wherein at least two axially successive shaping roller arrangements (9, 10, 11) are provided in the passing direction (8) of the workpiece, wherein at least the shaping rollers (12, 13, 14) of a shaping roller arrangement (9, 10, 11) are the same as each other and, in order to provide shaping engagements with the workpiece that are successive in the direction of the revolution around the workpiece, the axial position of each shaping roller (12, 13, 14) within an axial installation dimension (28) is different. The invention further relates to a method for processing elongate workpieces without cutting by means of such a device.

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