

Title (en)

DEVICE AND METHOD FOR THE COLD-FORMING PROFILING OF WORKPIECES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM KALTUMFORMENDEN PROFILIEREN VON WERKSTÜCKEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE PROFILAGE DE PIÈCES PAR FORMAGE À FROID

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Application

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Abstract (en)

[origin: WO2022253942A1] The invention relates to a method for producing a profiled body having a profiling by cold-forming a workpiece (1), the workpiece having a longitudinal axis (Z) and an outer surface (11a), for example a cylindrical outer surface, which extends along the longitudinal axis (Z) in a working area (11), and to which the profiling (P) is applied. The workpiece (1) carries out a rotational movement (R1) about the longitudinal axis (Z) and is worked by a tool (2) in multiple forming actions, during each of which the tool (2) comes into contact with the working area (11). The tool (2) is held by a tool holder (5) and is rotatable about a tool axis (Q). The tool holder (5) - is rotatably mounted in a rotating member (8) about an axis of rotation (W) and is driven to perform a rotary movement (R5) about its axis of rotation (W), and - is driven by the rotating member (8) to perform a rotating movement (R8). The rotational movement (R1) of the workpiece (1) is synchronized with the rotating movement (R8) of the tool holder (5), and the rotary movement (R5) of the tool holder (5) is synchronized with the rotating movement (R8) of the tool holder (5). The tool axis (Q) is different from the axis of rotation (W). The invention also relates to a corresponding device.

IPC 8 full level

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