

Title (en)

SHAPING TOOL FOR A WORKPIECE, AND DEVICE FOR DEFORMING A WORKPIECE USING SUCH A TOOL

Title (de)

UMFORMWERKZEUG FÜR EIN WERKSTÜCK UND VORRICHTUNG ZUM VERFORMEN EINES WERKSTÜCKS MIT EINEM DERARTIGEN WERKZEUG

Title (fr)

OUTIL DE FORMAGE D'UNE PIÈCE ET DISPOSITIF DE DÉFORMATION D'UNE PIÈCE AVEC UN TEL OUTIL

Publication

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Application

EP 15712108 A 20150320

Priority

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Abstract (en)

[origin: WO2015140280A1] The invention relates to a shaping tool (3) for a workpiece (2), in particular for plastically shaping a pipe end, comprising a clamping device (17) which comprises multiple clamping segments (18) and comprising a compressing head (9) which has a depression (10) on one side for forming a workpiece contour to be shaped and a securing means (11) on the opposite side for connecting to a shaping piston (5) of a device (1) for deforming the workpiece (2). The aim of the invention is to allow a reduction of the assembly complexity when changing tools while ensuring a high degree of assembly security. This is achieved in that the compressing head (9) and the clamping device (17) are structurally connected in a circumferential manner in a single tool unit (3) so as to allow an axial movement relative to each other. In the device (1) according to the invention, such a shaping device (3), in the form of the tool unit (3), is arranged on a common longitudinal axis (X-X) together with a shaping assembly (5, 6, 7, 8, 9) which is actuated by the pressure of a fluid (F) and together with a clamping assembly (15, 16, 17, 19) which is actuated by the pressure of the fluid, and the shaping device can be connected to a cylinder unit (4).

IPC 8 full level

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Citation (search report)

See references of WO 2015140280A1

Cited by

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