

Title (en)

DEVICE FOR THE PLASTIC DEFORMATION OF WORK PIECES

Title (de)

VORRICHTUNG ZUM PLASTISCHEN VERFORMEN VON WERKSTÜCKEN

Title (fr)

DISPOSITIF DE DEFORMATION PLASTIQUE DE PIECES A USINER

Publication

EP 1494827 A1 20050112 (DE)

Application

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Priority

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- EP 0302731 W 20030317

Abstract (en)

[origin: US2005150270A1] The present invention relates to a device for the deformation of workpieces, in particular for the plastic shaping of pipe ends, with a shaping unit (U) actuated by the pressure of a fluid and with a prestressing unit (V) arranged on a common longitudinal axis (X-X) and actuated by the pressure (p₁) of a fluid and also with clamping elements of conical design which can be clamped by means of the prestressing unit (V), in each case at least one separate pressure space (D₁, D₂) being designed in the shaping unit (U) and in the prestressing unit (V), which space can be pressurized independently of the pressure space (D₂, D₁) of the other unit (V, U) in each case. In this connection, the shaping unit (U) and the prestressing unit (V) are designed as constructional units which are interconnected but completely closed off in relation to one another.

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CPC (source: EP US)

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See references of WO 03086679A1

Cited by

DE102014103799B4; WO2011029687A1; DE102009041056A1; DE102011051974A1; WO2013010784A1; DE102014103799A1; US10449588B2; US11491526B2

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