

Title (en)

Hydraulic forming device for tubular parts

Title (de)

Vorrichtung zur hydraulischen Umformung von rohrförmigen Bauteilen

Title (fr)

Dispositif pour le formage hydraulique des pièces tubulaires

Publication

EP 0760264 B1 19980617 (DE)

Application

EP 95113273 A 19950824

Priority

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Abstract (en)

[origin: EP0760264A1] The press's upper die (6) is indirectly connected with a vertically movable upper part (3) so as to move relative to it. A sealing mandrel (12) moves horizontally when this upper part moves. There is a hydraulic pressure chamber (20) in the mandrel. Hydraulic pressure is applied to the component (8) by the downward movement of the upper part over the mandrel. Preferably, the upper die is connected with the upper part by springs (40). The mandrel is displaceable by a wedge slide (34) under the influence of the upper part and supported on a counter bearing (32) fixed on a static lower part (2).

IPC 1-7

B21D 26/02

IPC 8 full level

B21D 26/02 (2011.01); **B21D 26/041** (2011.01); **B21D 26/045** (2011.01)

CPC (source: EP)

B21D 26/041 (2013.01); **B21D 26/045** (2013.01)

Citation (examination)

Shorter Oxford English Dictionary, Reprint 1991, Seite 885.

Cited by

EP1657007A1; EP1038604A1; DE19911364A1; DE19911364C2; DE102005036419B4; CN111715766A; WO2005087404A1

Designated contracting state (EPC)

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