

Title (en)
DEVICE FOR THE TREATMENT OF TUBULAR BLANKS BY HYDROFORMING

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Application
EP 83107906 A 19830810

Priority
BG 5947283 A 19830126

Abstract (en)
[origin: US4619129A] Method of and apparatus for forming blanks by hydroplastic deformation. In a closed deformation space there is supplied a working fluid under high pressure and, simultaneously, the material of the blank to be deformed which is disposed in the deformation space is subjected to plastic deformation by the working fluid. In the zone of the closed deformation space there is applied a concentrated and controllable impulsed fluid load, this load being applied cyclically at equal time intervals and being controlled along the length of the blank being deformed. The apparatus of the invention comprises a working tool with a blind central hole and radial channels connected thereto, and a female die in which the blank to be deformed is disposed. The working tool is connected to a supply cylinder in which there is provided a pressure chamber, the pressure chamber containing a piston connected to the working tool. The supply cylinder is fastened to the movable part of a press. The pressure chamber is connected to an impulse activator by means of a plunger which is attached tightly to the supply cylinder.

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US 4619129 A 19861028; BG 39831 A1 19860915; DD 246895 A7 19870624; DE 3374667 D1 19880107; EP 0114924 A2 19840808; EP 0114924 A3 19841114; EP 0114924 B1 19871125; JP S59137142 A 19840807; SU 1417963 A1 19880823

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