

Title (en)

AUTOMATIC APPARATUS FOR THE HYDROPLASTIC SHAPING OF SPUR PINIONS

Publication

EP 0163922 A3 19871007 (DE)

Application

EP 85105148 A 19850426

Priority

BG 6527784 A 19840427

Abstract (en)

[origin: EP0163922A2] 1. Self-acting machine for the hydroplastic shaping of spur gears consisting of a vertical hydraulic press (1), on whose worktable (7) is mounted a device (8) for hydroplastic shaping having a work tool (55) and a high pressure hydraulic cylinder (29) mounted on a base (28), a die (4) being anchored in a mobile carriage (7), characterized in that the die (4) is mounted in a plate (3) mounted immoveably in relation to the moveable carriage (2), in that there is rigidly attached with clips (11) to two of the supports of the vertical hydraulic press a cantilever (10) on which there is mounted a feed device with a roller bed (12) connected to a first guide device (15) and a packaging device (16) connected to a manipulator (17) by a gripper arm (23) immoveably attached to it, in that there are hydroplastic shaping a counterpressure hydraulic cylinder (29) and a removal device (60) which is connected to a discharge duct (62) to carry away the finished parts, the hydraulic cylinder (29) being arranged on a common axis in relation to the work tool (55) of the device for hydroplastic shaping, in that two extraction devices (58) are secured to a top plate (50) of the device for hydroplastic shaping, in that a second guide device (38) is mounted on its base (28), and in that set on the plate (3) which is attached to the mobile carriage (2) is a third guide device (69).

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CPC (source: EP)

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Citation (search report)

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