

Title (en)
COLLECTING AND FOLDING CYLINDER IN A FOLDING APPARATUS

Publication
EP 0335190 B1 19930818 (DE)

Application
EP 89104685 A 19890316

Priority
DE 3810439 A 19880326

Abstract (en)
[origin: EP0335190A2] To change over from collect run to straight run production it is necessary, independent of the drive, for the driven cover discs which control the movement of the perforating needle or the folding knife via roller levers to be rotated relative to the fixed-position radial cams which, together with the cover discs, form the control contours. As distinct from the previous customary rotation by hand involving an in-and-out motion of a bolt coupling by means of a hand-wheel, a change-over is made possible from a central control desk, dispensing with a coupling. <?? >A perforating cam-plate cover disc (61) and a folding knife cam-plate cover disc (62) are driven via a hollow pinion gear (29) mounted so as to be axially displaceable on a shaft (26) partly constructed as a helical screw (28) and engaging with a gear wheel (20) for the drive of the folding and collection cylinder (9), a hollow cylindrical attachment (31) connected to the pinion gear, and arranged radially in roller bolts (36, 37) in the attachment, the roller flanks of the roller bolts being in flank contact with those of the helical screw (28). Independently of the drive train, an axial displacement of the hollow pinion gear (29) results in a rotation of the cover discs (61, 62) relative to the fixed radial cams (25, 23). <IMAGE>

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B41F 13/62

IPC 8 full level
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Cited by
EP2532492A1; EP1069063A3; US6004242A; DE19616629A1; EP0436102A1; FR2655909A1; DE19530956A1; FR2726259A1; US5772571A; DE19530956C2; CN102458781A; WO2010142691A3; WO9749558A1; US8960059B2

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