

Title (en)

DEVICE FOR TENSIONING AND JOINING TOGETHER THE OVERLAPPING ENDS OF A STRAP WRAPPED AROUND A PACKAGE

Publication

EP 0091578 A3 19861217 (DE)

Application

EP 83102862 A 19830323

Priority

DE 3213450 A 19820410

Abstract (en)

[origin: EP0091578A2] 1. Device for clamping a hoop-casing band strippable from a delivery spool and placed around an adjusting piece and for connecting the overlapping ends of the hoop-casing band to a spoolless closure and for separating the part of the hoop-casing band which leads to the delivery spool and is surplus to the clamped hoop-casing, consisting of a housing (14) with a baseplate (15) for positioning on the adjusting piece, said housing (14) exhibiting the bottom punching tool (16), while the upper punching tool (17) is located vertically displaceable in the housing (14) and is movable downwards out of its top, normal position into the punching position and the housing (14) exhibits for lateral insertion of the overlapping band ends between the two punching tools (16, 17) on the top of the baseplate (15) fixed rigidly to the housing (14) a slit-shaped receiver (20), and to the slit-shaped receiver (20) there is assigned a hook-shaped rocking lever (31) gripping from below in the operating position the free end of the baseplate (15) and securing the baseplate (15) assuming correct use of the device against downwards bending and movable into an open position by a shaft (34) mounted parallel with the band longitudinal direction in the housing (14), and the housing (14) exhibits in a cut-out (21) a swivellably mounted clamping device (22) pretensioned by a spring (19) in direction onto the baseplate (15), said clamping device (22) exhibiting a clamping wheel (25) which acts on the top of the overlapping band ends and is for clamping the hoop-casing band, and being provided with a manual lever (24) for effecting the movement into the band insertion position against the spring action, characterized in that the hook-shaped rocking lever (31) movable diagonally to the band direction is connected to the clamping device (22) swivellable parallel with the band direction by a shaft (34) mounted rotatably in the housing (14), said shaft (34) running parallel with the band longitudinal direction and exhibiting at its end facing the clamping device by means of flattenings (35) on either side a roughly rectangular cross-section, this region being twisted helically by torsion and interacting as a slotted link with a longitudinal hole (36) adjusted to the torsional shape in a plate (37) fixed to the swivellable clamping device (22), so that on the spring loaded (19) resetting of the clamping device (22) the latter and the rocking lever (31) are swivelled into the clamped and sealed position.

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IPC 8 full level

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CPC (source: EP)

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- CH 627139 A5 19811231 - FROMM AG [CH]
- CH 378223 A 19640531 - FROMM GMBH A [CH]

Cited by

EP0647560A1; CN1067028C; US5526852A; AU629766B1; WO9534193A3

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