

Title (en)

Machine for changing the cross-sectional shape of round casings, in particular for caps.

Title (de)

Maschine zum Verändern der Querschnittsform gerundeter Zargen, insbesondere für Dosen.

Title (fr)

Machine à changer la forme de coupe transversale d'ébauches cylindriques, en particulier pour boîtes.

Publication

EP 0351560 B1 19931201 (DE)

Application

EP 89111046 A 19890619

Priority

CH 276488 A 19880719

Abstract (en)

[origin: EP0351560A2] The originally cylindrical shape of casings (10) for cans having a longitudinal seam (12) is to be transformed into the shape of a truncated pyramid with rounded rectangular plan. For this purpose, the casings (10) are each placed on an expansion mandrel (42) which has a plurality of segmental rods (46) arranged about an expansion mandrel axis (B) and capable of being spread apart. The expansion mandrels (42) are arranged on an expansion mandrel revolver (40) about a central axis (A). Arranged coaxially with each expansion mandrel (42) is an orientation device (62) which can be driven in rotation about the associated expansion mandrel axis (B). Each orientation device (62) is assigned a sensor (66) which interrupts the rotation of the orientation device (62) in a predetermined position of the longitudinal seam (12) of the casing (10) with respect to the segmental rods (46). Each orientation device (62) is assigned a push-on device (70) for transferring the oriented casing (10) to the expansion mandrel (42). <IMAGE>

IPC 1-7

B21D 51/26

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1174345A1; EP0671229A1; GB2320005A; GB2320005B; WO9721505A1; WO9111275A1

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