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(54) **BOTTLE CENTERING DEVICE FOR A CAPPING MACHINE FOR CAPS MADE OF COMPRESSIBLE MATERIAL AND CAPPING MACHINE FOR CAPS MADE OF COMPRESSIBLE MATERIAL PROVIDED WITH SUCH BOTTLE CENTERING DEVICE**

(57) The present invention relates to a bottle centering device (1) for a capping machine for caps made of compressible material. The bottle centering device (1) comprises - a support structure (2), which is intended to be associated with a compression box of a capping machine at cap compression seat and which defines a through opening (3) for the passage of a compressed cap and a cap insertion punch of said capping machine, said support structure (2) being intended to be mounted on said compression box in such a way that said through opening (3) has its own central axis (X) axially centered on said cap compression seat; - bottle centering means (10) which are associated with said support structure (2) and define an invitation seat (10a) which in turn defines a central through opening (10b), is intended in use to be engaged by a mouth (H) of a bottle (B) to be capped and is shaped to guide said mouth towards said through opening (3) axially aligning said mouth with the central axis (X) of the through opening (3). The bottle centering means (10) comprise a plurality of pieces (11, 12, 13, 14)

which are angularly distributed about the central axis (X) of said through opening (3) and each of which defines with a respective shaped head (11', 12', 13', 14') a portion of said invitation seat (10a) and in that the pieces (11, 12, 13, 14) of said plurality of pieces are radially movable with respect to the central axis (X) in order to vary the radial dimensions of said invitation seat (10a) and therefore of said central through opening (10b).

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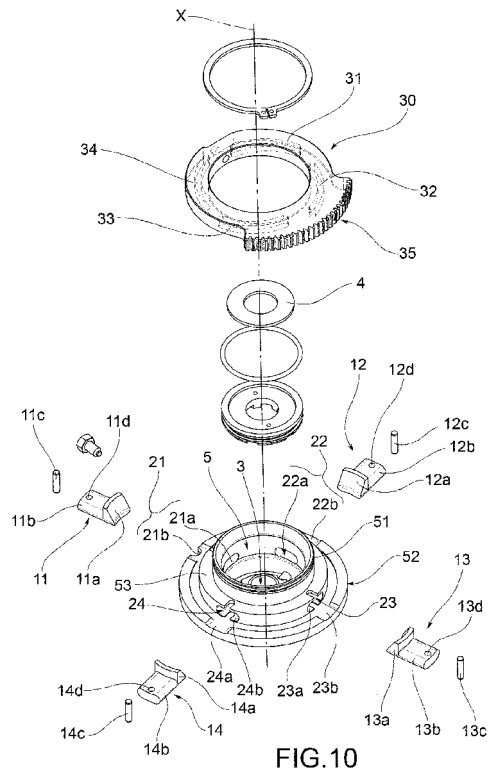


FIG. 10