

Title (en)
FLEXIBLE CONTAINER

Title (de)
FLEXIBLER BEHÄLTER

Title (fr)
CONTENANT SOUPLE

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Abstract (en)
[origin: WO2006082473A2] The present invention relates to an expandable mandrel, a flexible container and a process for making this container by means of the said expandable mandrel. In particular, the expandable mandrel (11) comprising a cylindrical body (11A) extending along a predetermined longitudinal direction (X-X) having a lateral wall (20) which is formed by a plurality of longitudinal sectors (21) extending parallel to the said direction (X-X); actuator means (22) associated for operation with the said plurality of longitudinal sectors (21) to cause a reversible radial expansion of the said plurality of longitudinal sectors (21) from a first retracted configuration (D') to a second expanded configuration (D'') and to obtain a corresponding circumferential expansion of the body of the mandrel (11 A). Advantageously, the longitudinal sides (23) of each sector of the said plurality of sectors (21) are comb-shaped and the longitudinal sides (23) of each sector are interleaved in a comblike way with the corresponding longitudinal sides of the adjacent sectors, in such a way that the said lateral wall (20) of the said body (11A) is substantially continuous when the said plurality of longitudinal sectors (21) are in the said second expanded configuration (D'').

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