

Title (en)

METHOD OF AND DEVICE FOR CONICALLY WIDENING METAL TUBES BY COMPRESSED AIR

Publication

EP 0072891 B1 19851113 (DE)

Application

EP 82104100 A 19820512

Priority

DE 3133257 A 19810822

Abstract (en)

[origin: EP0072891A1] 1. Process for the conical widening of metal tubes (16), wherein the cylindrical metal tube, which is to be shaped into conical form and is closed at one end and open at the other end, is sealed in an airtight manner at the open end, the interior space is placed under pressure by means of a pneumatic medium. And the cylindrical metal tube is pressed onto the interior wall of the matrix (5) designed with a conical recess, characterised in that, due to the linear pressing of the outer edge of the open end of the cylindrical metal tube (16), the metal tube is sealed in an airtight manner against the chamfered sealing surface (2) of the metallic sealing ring (1) which is under spring pressure, and, during the conification process, in order to permit the further build-up of pressure, an inward-directed sealing chamfer (6) is produced at the open edge of the metal tube (16) by means of the axial movement of the sealing ring (1) in the direction of the tube.

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