

Title (en)
Interior bending tool for bending a metal sheet for making tubes using rollers

Title (de)
Innenform-Werkzeug zum Biegen eines Blechs zu einem Rohr durch Rollen

Title (fr)
Outil de cintrage intérieur destiné au cintrage d'une tôle en un tube par rouleaux

Publication
EP 1872879 B1 20100811 (DE)

Application
EP 07011527 A 20070613

Priority
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Abstract (en)
[origin: EP1872879A1] The interior-forming tool for remodeling a sheet metal (2) to a tube, comprises two symmetrically rotatable rollers (4, 5) arranged around rotating axes, unit (11) for the synchronization of the rollers, a stem connected with a holder of the rollers by the synchronization unit, which is formed as tooth segments combing together, a moving element arranged between a carrier element (3) and the holder, an inset element for holding, and an adjustable element formed as a screw-nut-element. The rotating axes are formed directly in the rollers. The interior-forming tool for remodeling a sheet metal (2) to a tube, comprises two symmetrically rotatable rollers (4, 5) arranged around rotating axes, unit (11) for the synchronization of the rollers, a stem connected with a holder of the rollers by the synchronization unit, which is formed as tooth segments combing together, a moving element arranged between a carrier element (3) and the holder, an inset element for holding, and an adjustable element formed as a screw-nut-element. The rotating axes are formed directly in the rollers, which run on one side of the sheet metal and which are arranged symmetrical to a middle plain of the joint carrier elements. The moving element rotates around the rotating axes. A non-rotatable middle roller (6) is arranged alternatively in a direction lying in the middle plain of the carrier elements.

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