

Title (en)

METHOD AND DEVICE FOR THE INTEGRAL MOULDING OF A FLANGE TO THE END OF A ROUND OR OVAL PIPE OF THIN-WALLED SHEET METAL AND PIPE PRODUCED BY THE METHOD

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINSTÜCKIGEN ANFORMEN EINES FLANSCHES AM ENDE EINES RUNDEN ODER OVALEN ROHRES AUS DÜNNWANDIGEM BLECH SOWIE NACH DEM VERFAHREN HERGESTELLTES ROHR

Title (fr)

PROCEDE ET DISPOSITIF POUR FORMER EN UNE PIECE UN REBORD A L'EXTREMITE D'UN TUBE CYLINDRIQUE OU OVALE EN TOLE A PAROI MINCE ET TUBE FABRIQUE SELON LEDIT PROCEDE

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Abstract (en)

[origin: WO2007006424A1] The invention proposes a method for the integral moulding of a flange (5) onto the end of a round or oval pipe (11) of thin-walled sheet metal. This method takes place in two stages. In a first stage, for the purpose of accumulating material, a sectionally circular or spiral-shaped bead (17) is moulded on by means of a pre-forming roller tool (9), comprising a combination of rollers (13 to 15) (Figure a). In a second stage, the moulded-on bead is compacted with the aid of a final-forming roller tool (18), comprising the rollers (19) and (20), to produce an at least partly solid flange (5) (Figure b).

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