

Title (en)
METHOD FOR THE HIGH-SPEED PRODUCTION OF A MULTI-LAYERED TUBE

Title (de)
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Title (fr)
PROCÉDÉ DE PRODUCTION RAPIDE D'UN TUYAU MULTICOUCHE

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Application
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Abstract (en)
[origin: WO2014053108A1] The invention relates to a method for the high-speed production of a multi-layered tube (5) with the aid of a sheet metal-forming machine, said multi-layered tube (5) comprising at least one first material layer (1) and another material layer (2) which adjoins said first material layer (1), the adjoining material layer (2) being at least slightly arched, and these being laid one upon the other to obtain combined material layers (1, 2) and form the multi-layered tube (5). The first material layer (1) is positioned, as an overlying material layer (1), on the adjoining material layer (2), and a first connection (3a) between said overlying material layer (1) and adjoining material layer (2) is made by virtue of the overlying material layer (1) being connected to the adjoining material layer (2) approximately along a first edge (4a) of the overlying material layer (1) or approximately along a line parallel thereto, and a second connection (3b) between said overlying material layer (1) and adjoining material layer (2) is produced by virtue of the overlying material layer (1) being connected to the adjoining material layer (2) approximately along a second edge (4b) of the overlying material layer (1) or approximately along a line parallel thereto. The multi-layered material (1, 2) which is formed in this manner is shaped, with the aid of the sheet metal-forming machine, to obtain the multi-layered tube (5) and, from a particular degree of deformation during this shaping process, the respective overlying material layer (1) which therefore functions as an inner tube is compressed between the two material layer connections (3a, 3b) in the (partial) circumferential direction, and therefore pressed into the respective adjoining material layer (2) which thus functions as an outer tube.

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