

Title (en)  
PRODUCTION-OPTIMIZED METHOD FOR PRODUCING A MULTILAYERED TUBE

Title (de)  
PRODUKTIONSOPTIMIERTES VERFAHREN ZUR HERSTELLUNG EINES MEHRLAGENROHRES

Title (fr)  
PROCÉDÉ OPTIMISÉ DE PRODUCTION POUR LA FABRICATION D'UN TUBE MULTICOUCHE

Publication  
**EP 2285508 B1 20110817 (DE)**

Application  
**EP 09776794 A 20090619**

Priority  
EP 2009004467 W 20090619

Abstract (en)  
[origin: US2011146366A1] A process for producing a multilayer pipe (5) with the aid of a plate forming machine, in which individual layers of material (1, 2) to be combined to form the multilayer pipe (5) are laid one on top of the other, at least one of the layers of material (1) consisting of more than one laid-on element (1a, 1b), after that, a first connection (3a, 3b), respectively, is then created between the bordering elements of the overlying layer of material (1a, 1b) and the adjacent layer of material (2), the multilayer material formed in this way is formed into the pipe (5) and, during the deformation, the edges (4a, 4b) of the elements (1a, 1b) of the overlying layer of material (1a, 1b) that are still freely displaceable with respect to one another can move freely toward one another in accordance with the extent to which deforming has progressed, on account of the different circumferential lengths of the inner pipe (1a, 1b) and the outer pipe (2), then, after deforming has progressed to a certain extent, these edges (4a, 4b) of the elements (1a, 1b) of the overlying layer of material (1a, 1b) that are moving toward one another butt against one another, and then the multilayer pipe (5) is formed to completion with the aid of the plate forming machine, the edges (4a, 4b) of the elements (1a, 1b) of the overlying layer of material (1a, 1b) then no longer being able to move freely toward one another during this final forming, as a result of which the layer of material (1a, 1b) respectively acting as the inner pipe is pressed with a force fit into the layer of material (2) respectively acting as the outer pipe.

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