

Title (en)

METHOD AND DEVICE FOR SHAPING STRUCTURAL PARTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM UMFORMEN VON STRUKTURAUTEILEN

Title (fr)

PROCEDE ET DISPOSITIF POUR LE FORMAGE D'ELEMENTS DE STRUCTURE

Publication

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Application

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Abstract (en)

[origin: WO0210332A1] The invention relates to a method for shaping structural parts, in particular, those for use in aviation and space travel. The structural parts comprise a plate-shaped base body and ribs. Said ribs are longitudinally extended, are approximately parallel to one another, are joined to the base body while forming one piece, and protrude from the base body in orthogonal manner. The part is shaped by particles of an abrasive, which strike the surface areas of the structural part at a high velocity whereby effecting a plastic material shaping. The aim of the invention is to realize a method that can be carried out in a simple and cost-effective manner with which diverse uniaxial and multiaxial part geometries can be attained. To this end, the invention provides that opposite surface areas of the ribs, said surface areas being located on opposite longitudinal sides of each rib, are simultaneously subjected to the action of particles of the abrasive.

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