

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

**EP 01962548 A 20010717**

Priority

- DE 0102601 W 20010717
- DE 10037029 A 20000727

Abstract (en)

[origin: US7181944B2] A structural part includes a plate-shaped base body and ribs that extend longitudinally approximately parallel to one another, and that are joined integrally to and protrude orthogonally from the base body. In a shaping method, the structural part is shaped by particles of blasting or peening shot, which strike the surface areas of the structural part at a high velocity to cause a plastic deformation thereof. Opposite surface areas of the ribs, located on opposite longitudinal sides of each rib, are simultaneously subjected to the action of particles of the blasting shot. An apparatus to perform the method includes two nozzles arranged facing toward one another with the rib therebetween, to form two jets of the blasting shot particles directed toward one another at the rib.

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CPC (source: EP KR US)

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