

Title (en)
Pressing contoured shapes.

Title (de)
Umformung durch Pressen.

Title (fr)
Formage par pression.

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Application
EP 86101065 A 19860127

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Abstract (en)
A process for forming superplastically deformable sheet metal into contoured shapes, especially complex saddle shapes having compound curvature, utilises the technique of pressure forming in combination with a forming tool with the sheet metal in condition for superplastic deformation. A preform of superplastically deformable sheet metal is first formed and then sealed to a pressure box. A forming tool is engaged with the preform face external of the pressure box and, under conditions for superplastic deformation, the sheet metal is pressure-formed into conformity with the forming tool. Apparatus for performing the process is also disclosed.

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