

Title (en)  
Pressing contoured shapes.

Title (de)  
Umformung durch Pressen.

Title (fr)  
Formage par pression.

Publication  
**EP 0190640 A2 19860813 (EN)**

Application  
**EP 86101065 A 19860127**

Priority  
GB 8502772 A 19850204

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.

IPC 1-7  
**B21D 26/02**

IPC 8 full level  
**B21D 22/20** (2006.01); **B21D 26/055** (2011.01)

CPC (source: EP)  
**B21D 26/055** (2013.01)

Cited by  
AU741012B2; EP0648555A1; WO9962653A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0190640 A2 19860813; EP 0190640 A3 19870401**; GB 8502772 D0 19850306; JP S61182826 A 19860815

DOCDB simple family (application)  
**EP 86101065 A 19860127**; GB 8502772 A 19850204; JP 2189286 A 19860203