

Title (en)
SHAPING TOOL

Title (de)
FORMWERKZEUG

Title (fr)
OUTIL DE FORMAGE

Publication
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Application
EP 06791945 A 20060908

Priority
• EP 2006008793 W 20060908
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Abstract (en)
[origin: US8047037B2] The invention relates to a shaping tool which is used to shape a workpiece, in particular, a sheet steel component, comprising at least two shaping tool halves. Contoured regions are provided in the region of the shaping tool halves in order to give the workpiece a corresponding contour, at least in sections. Each shaping tool half has a shaping surface shell which is oriented towards the workpiece and a support shaping half. The shaping surface shell is arranged on the support shaping half and comprises a shaping surface, which is oriented towards the workpiece, and a rear side which is oriented away from the workpiece. The support shaping half comprises a contoured area which essentially corresponds to the contour of the workpiece which is to be produced and the contoured area is surrounded by a flange area. Grooves are provided in the contoured area in the region of the rear side of the shaping surface shell. The support shaping half comprises receiving surfaces which receive the support shaping half in a positive fit and the receiving surfaces and the grooves form cooling channels. The support shaping half comprises supply channels and discharge channels such that a coolant can be guided through the channels.

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