

Title (en)

Method and device for producing holes in the wall of a hollow bodied workpiece.

Title (de)

Verfahren zum Herstellen eines Durchbruches in der Wandung eines als Hohlkörper ausgebildeten Werkstückes und Werkzeug zur Durchführung des Verfahrens.

Title (fr)

Procédé et outil pour la production des trous dans la paroi d'un corps creux.

Publication

EP 0484789 B1 19950412 (DE)

Application

EP 91118373 A 19911029

Priority

DE 4035625 A 19901109

Abstract (en)

[origin: EP0484789A1] The invention proposes a method for producing a hole in the wall of a work piece (1) designed as a hollow body, in which the work piece (1) is inserted into a form tool (2) which limits its radial expansion and is provided in the region of the envisaged hole with a recess (6) having an edge contour corresponding to the hole. The cavity (3) of the work piece (1) is then pressurised with a working medium up to an internal pressure p_i which causes the edge (10) of the recess (6) to cut into the wall of the work piece. This advantageously takes place during another forming operation performed on the work piece (1) using the internal high-pressure forming method. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP1430966A3; US5666840A; US5398533A; DE10343430B3; US6430981B1; FR2708220A1; US5996455A; DE19506067C1; DE102004001847A1; DE102004001847B4; EP0845312A1; DE19858971A1; DE19858971C2; DE19724037C2; US6484551B1; WO9739850A1

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