

Title (en)

Method for making high volume hollow bodies

Title (de)

Verfahren zur Herstellung von grossvolumigen Hohlkörpern

Title (fr)

Méthode de production des corps creux à grand volume

Publication

EP 1138408 A3 20020626 (DE)

Application

EP 01105541 A 20010306

Priority

DE 10016025 A 20000331

Abstract (en)

[origin: EP1138408A2] The hollow bodies are fabricated at least partially by hydrostatic forming of cold-formable material within a forging die. A panel blank is cut to size, the cut blank is formed and the opposite edges are welded together to form a three-dimensional pressure-proof body with at least one opening. The body is hydrostatically expanded in a forging die, and at least one closure part is fastened to it by welding. The body is pressed into a flat oval shape in the die, and is filled with pressure fluid before this process. A peripheral collar is formed around the opening during hydrostatic expansion, to serve as welding socket. The body is esp. a motor vehicle fuel tank.

IPC 1-7

B21D 26/02; **B21D 51/26**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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- [X] GB 2334472 A 19990825 - NIPPON OXYGEN CO LTD [JP]
- [A] FR 2228551 A1 19741206 - ETA SA [FR]
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DOCDB simple family (publication)

EP 1138408 A2 20011004; **EP 1138408 A3 20020626**; DE 10016025 A1 20011018; DE 10016025 B4 20050616; JP 2001353546 A 20011225; KR 20010094972 A 20011103; US 2002029456 A1 20020314; US 6684475 B2 20040203

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