

Title (en)

Method and apparatus for making a closed hollow section

Title (de)

Verfahren zur Herstellung eines umfänglich geschlossenen Hohlprofiles und eine Vorrichtung zur Durchführung desselben

Title (fr)

Pocédé et dispositif de fabrication d' un profilé creux fermé

Publication

**EP 1216769 B1 20051012 (DE)**

Application

**EP 01129173 A 20011208**

Priority

DE 10065033 A 20001223

Abstract (en)

[origin: EP1216769A2] To shape a hollow profile, with a closed peripheral mantle, the hollow blank (10) within the mold is filled with a fluid at a high pressure to be expanded into the required shape. As the blank is expanded, it is supported externally by a membrane (12) under a controlled pressure, which is gradually reduced as the blank increases its dimensions within the mold structure. The blank is raised within the mold by two dies (6,7), and is supported by the membrane over its whole length.

IPC 1-7

**B21D 26/02**

IPC 8 full level

**B21D 26/02** (2011.01); **B21D 26/021** (2011.01); **B21D 26/027** (2011.01); **B21D 26/031** (2011.01)

CPC (source: EP US)

**B21D 26/02** (2013.01 - EP US); **B21D 26/021** (2013.01 - EP US); **B21D 26/027** (2013.01 - EP US); **B21D 26/031** (2013.01 - EP US); **Y10T 29/49805** (2015.01 - EP US)

Cited by

US7509827B2; WO03095122A1

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