

Publication

EP 0844034 A3 19980603

Application

EP 97118614 A 19971027

Priority

DE 19647962 A 19961120

Abstract (en)

[origin: EP0844034A2] The method involves clamping the separated hole core in the hole. The die (7,13) is used to press the hole core which is secured against loss into the prior-produced hole. It involves releasing the hole core after removal of the processed hollow profile (5) from the inner high pressure shaping tool (1), by which the hole is finally producible. The die forming the feed-back is used at the same time for producing the hole. A thruster (13) is integrated in the die, into which it can be pushed.

IPC 1-7

B21D 28/28; **B21D 26/02**

IPC 8 full level

B21D 26/02 (2011.01); **B21D 28/28** (2006.01)

CPC (source: EP US)

B21D 28/28 (2013.01 - EP US); **Y10T 83/0457** (2015.04 - EP US); **Y10T 83/0596** (2015.04 - EP US); **Y10T 83/395** (2015.04 - EP US)

Citation (search report)

[DA] US 4989482 A 19910205 - MASON MURRAY R [CA]

Cited by

US7552535B2; WO2004043623A1

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DOCDB simple family (application)

DE 19647962 A 19961120; EP 97118614 A 19971027; US 97475897 A 19971120