

Title (en)
Hydroforming device

Title (de)
Vorrichtung zur Hochdruckumformung

Title (fr)
Dispositif d'hydroformage

Publication
EP 1462191 B1 20070725 (DE)

Application
EP 04006919 A 20040323

Priority
DE 10313567 A 20030326

Abstract (en)
[origin: EP1462191A1] Device for high pressure deformation comprises a tool divided along a separating plane into two tool halves, and a tool support having for each tool half at least one tool support component (5, 6). Each tool support component consists of a positioning plate (9, 9'), at least one piston (10, 10') standing on the positioning plate, and a piston holding plate (11, 11'). The piston holding plate has a recess (12) with a greater diameter than that of the piston. A fluid is arranged in a hollow chamber produced in the recess when the piston protrudes into the recess. Preferred Features: The piston lies with its side wall on a sealing ring (13) arranged in the side wall of the recess.

IPC 8 full level
B21D 26/02 (2011.01); **B21D 26/031** (2011.01)

CPC (source: EP)
B21D 26/031 (2013.01); **B21D 35/003** (2013.01)

Cited by
EP3693157A1; US2020290301A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1462191 A1 20040929; EP 1462191 B1 20070725; AT E367876 T1 20070815; DE 10313567 B3 20040226; DE 502004004405 D1 20070906

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