

Title (en)

Hydraulic closing-device for the lateral extrusion of workpieces

Title (de)

Hydraulische Schliessvorrichtung zum Querfliesspressen von Werkstücken

Title (fr)

Dispositif de fermeture hydraulique pour l'extrusion latérale de pièces

Publication

**EP 1053801 A3 20020515 (DE)**

Application

**EP 00109492 A 20000504**

Priority

DE 19922659 A 19990518

Abstract (en)

[origin: EP1053801A2] The device has two relatively moveable lockable molds (22,42). The first mold is held on a hydraulic piston (16) moving in a cylinder (6), carrying a first press die (20). The second mold is stationary and positioned on a second hydraulic cylinder (26), the second press die (40) is located on a second hydraulic piston (36). During impact extrusion of a component, the second piston charged by a pressure medium displaced by the first piston. The first hydraulic cylinder is positioned on press ram.

IPC 1-7

**B21J 5/00**; **B21J 9/12**; **B21C 23/21**

IPC 8 full level

**B21C 23/21** (2006.01); **B21J 5/00** (2006.01); **B21J 5/02** (2006.01); **B21J 9/12** (2006.01)

CPC (source: EP)

**B21C 23/21** (2013.01); **B21J 5/02** (2013.01); **B21J 9/12** (2013.01)

Citation (search report)

- [A] EP 0298457 A2 19890111 - AIDA ENG LTD [JP]
- [A] US 4977773 A 19901218 - MITO YOSHIKI [JP], et al

Cited by

CN112935167A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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**EP 1053801 A2 20001122**; **EP 1053801 A3 20020515**; **EP 1053801 B1 20040303**; AT E260721 T1 20040315; BR 0003064 A 20010130; DE 19922659 A1 20001207; DE 19922659 B4 20050210; DE 50005478 D1 20040408

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