

Title (en)

HYDRO-MECHANICAL CLAMP IN PARTICULAR FOR TRANSVERSE EXTRUSION

Title (de)

HYDRAULISCH-MECHANISCHE SCHLIESSVORRICHTUNG, INSBESONDERE ZUM RFLIESSPRESSEN

Title (fr)

DISPOSITIF DE SERRAGE HYDROMECHANIQUE SERVANT NOTAMMENT A L'EXTRUSION LATERALE

Publication

**EP 1385652 B1 20050629 (DE)**

Application

**EP 02719598 A 20020430**

Priority

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- DE 10123745 A 20010511

Abstract (en)

[origin: WO02092258A1] The invention relates to a hydro-mechanical clamp comprising two displaceable die-block halves (M1, M2) and two pressure rams (S1, S2). A first hydraulic piston (K1) is mounted in an axially displaceable first hydraulic cylinder (Z1) and a second hydraulic piston (K2) in a second hydraulic cylinder (Z2) in a displaceable manner. The second die-block half (M2) is fixed to the frame and the second pressure ram (S2) is arranged on the second hydraulic piston (K2). According to the invention, the first hydraulic cylinder (Z1) is connected to a third hydraulic cylinder (Z3), in which a third hydraulic piston (K3) is mounted. The above engages with a fourth hydraulic piston (K4) which runs in a fourth hydraulic cylinder (Z4). The first hydraulic cylinder (Z1) is connected to the third hydraulic cylinder (Z3), such that pressure medium displaced from the first hydraulic cylinder (Z1) on a forwards displacement, flows into the third hydraulic cylinder and the third hydraulic piston (K3) displaces the fourth hydraulic piston (K4) in a forwards direction so that pressure medium is forced into the second hydraulic cylinder (Z2) and the second hydraulic piston (K2) is pressurised with the necessary moulding pressure and the pressure rams (S1, S2) move together.

IPC 1-7

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IPC 8 full level

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