

Title (en)

Device for limiting the pressure of a tool with a punch and a die.

Title (de)

Druckbegrenzungsvorrichtung für ein Werkzeug mit Stempel und Matrize.

Title (fr)

Dispositif de limitation de pression pour un outil avec poinçon et matrice.

Publication

EP 0467020 B1 19931118 (DE)

Application

EP 91106027 A 19910415

Priority

CH 236290 A 19900716

Abstract (en)

[origin: EP0467020A1] The device has a plunger piston (2) and a pressure accumulator (3) which are connected to one another. On the plunger piston (2) is fixed the punch (13) of a tool. The pressure accumulator (3) is a piston accumulator with a gas space (20) and a liquid space (19) which is in communication with the chamber (4) via a valve arrangement. Furthermore, a pre-stroke valve (24) is integrated into the pressure accumulator (3). This device can be used to limit the degree of pressure which can be applied to the plunger piston. As a result, a tool (23) is protected independently over its total circumference against excessive closing pressure. <IMAGE>

IPC 1-7

B65B 51/04

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1757522A1; EP1518788A1; DE19738298C1; DE102005026219A1; DE102005026219B4; US7954231B2; EP0900733A1; US7426811B2; EP2001748B1

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