

Title (en)

Method for adjusting the impact of upper and lower tools in a press, damping the noise, and slide drive with a device using the method

Title (de)

Verfahren zum lärm- und stossarmen Angleichen des Ober- und Unterwerkzeuges von mechanischen Pressen und Stösselantrieb mit einer Einrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé d'ajustement de l'impact des outils supérieurs et inférieurs d'une presse, diminuant le bruit, et entraînement du coulisseau avec un dispositif d'application du procédé

Publication

EP 0716916 B1 19990825 (DE)

Application

EP 95117302 A 19951103

Priority

DE 4441569 A 19941123

Abstract (en)

[origin: EP0716916A1] The press tool closing process involves halting or delaying the fluid supply to at least one of the brake cylinders (3) which create the braking force opposed to the ram motion shortly before the upper tool is set down on the sheet component. Alternatively, the brake cylinder may be connected to a hydraulic oil store (8). The hydraulic oil in the pressure point cylinders (1) is forced into a hydraulic oil store (7) by the further downward motion of the conrod with the ram brake decelerating. Alternatively, it may be forced at least partly into the lower cylinder space of a braking cylinder. The brake cylinders are then relieved of pressure by switching the valves.

IPC 1-7

B30B 1/26; B21D 24/00

IPC 8 full level

B21D 24/00 (2006.01); **B30B 1/26** (2006.01); **B30B 15/00** (2006.01); **B30B 15/14** (2006.01)

CPC (source: EP)

B21D 24/00 (2013.01); **B30B 1/265** (2013.01); **B30B 15/0076** (2013.01); **B30B 15/14** (2013.01)

Cited by

DE102015016773A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

DE 4441569 A1 19960530; DE 59506687 D1 19990930; EP 0716916 A1 19960619; EP 0716916 B1 19990825; ES 2134984 T3 19991016

DOCDB simple family (application)

DE 4441569 A 19941123; DE 59506687 T 19951103; EP 95117302 A 19951103; ES 95117302 T 19951103