

Title (en)

Locking device for hydraulically operated presses

Title (de)

Zuhaltevorrichtung für hydraulisch angetriebene Pressen

Title (fr)

Système de verrouillage pour des presses à entraînement hydraulique

Publication

EP 1075882 A2 20010214 (DE)

Application

EP 00116350 A 20000728

Priority

DE 19937310 A 19990810

Abstract (en)

The locking device is for a simple or double-acting press for high pressure shaping, with a ram (4) moving upwards and downwards and lockable by a cross-bar (11) in the shaping position. The dimension of the height of the cross-bar depends upon the closure stroke of the press (1) and is approximately or completely equal to it. The cross-bar in the locked position is arranged as a vertical extension of the upper rail walls. The height of the cross-bar is at least three times greater than its thickness. The length of the cross-bar corresponds approximately to the length of the ram and consists of a single piece or several segments.

Abstract (de)

Es wird eine Verriegelungsvorrichtung für hydraulisch angetriebene, einfach- oder doppeltwirkende Pressen (1) zur Hochdruckumformung vorgeschlagen die wesentlich zur Erhöhung der Bauteilsteifigkeit insbesondere des Kopfstücks oder Oberholm (5) beiträgt. Durch Anordnung der Riegel (11) auf der Oberseite der Umformstößel (4) kann für die Bauhöhe der Riegel (11) der komplette Schliesshub genutzt werden. <IMAGE>

IPC 1-7

B21D 26/02

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2221126A1; CN100448563C; US8739592B2; US7415863B2; WO2010094383A3; WO2004004939A1; WO2004071689A1

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