

Title (en)  
IMPACT PRESS WITH TOGGLE LEVER ESCAPEMENT

Publication  
**EP 0315543 B1 19910206 (FR)**

Application  
**EP 88402774 A 19881104**

Priority  
FR 8715751 A 19871106

Abstract (en)  
[origin: US4895213A] An impact press of the type including a tool holder slidably mounted in a slide, a hammer sliding in the slide, and a spring resiliently acting between the hammer and the slide to urge the hammer toward the tool holder. An escapement device disengages the spring from the hammer in a determined position of the stroke. This escapement device includes two connecting rods articulated to each other about an axle at one end and the other end of which is articulated about axles respectively to the hammer and to the tool holder. A return spring urges the connecting rods back to an aligned position in which the articulation axles are in alignment along a straight line parallel to the path of the hammer. One of the connecting rods includes a ramp with which cooperates a pin rigidly connected to the slide such that when the ramp contacts the pin, the connecting rods are deflected from alignment with each other. An abutment rigidly connected to the press limits the return backward motion of the tool holder.

IPC 1-7  
**B21J 7/04; B21J 7/20**

IPC 8 full level  
**B21J 7/04** (2006.01); **B21J 7/20** (2006.01)

CPC (source: EP US)  
**B21J 7/04** (2013.01 - EP US); **B21J 7/20** (2013.01 - EP US)

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**EP 88402774 A 19881104; DE 3861761 T 19881104; FR 8715751 A 19871106; US 26436088 A 19881031**