

Title (en)
Safety method for pressing tools

Title (de)
Schutzverfahren für Presswerkzeuge

Title (fr)
Procédé de protection pour outils de pressage

Publication
EP 1724101 B1 20110216 (DE)

Application
EP 05010731 A 20050518

Priority
EP 05010731 A 20050518

Abstract (en)
[origin: EP1724101A1] Apparatus has a sensor (27) provided to detect a closure gap and/or a pressing slot. The sensor is connected with a pressing piston and a pressing cylinder (31) for pressing and/or clamping a work piece in such a manner that the cylinder and the piston are not activated or a pressing or clamping process is not executable or is blocked, when the dimension of the gap or the slot is equal or larger than a preset distance value. A tension spring (23) drives a pressing and/or clamping tool, while inserting the work piece in a closing direction with a force. An independent claim is also included for a method for operating a pressing and clamping tool and/or a machine.

IPC 8 full level
B30B 15/28 (2006.01); **B30B 1/16** (2006.01); **F16P 3/16** (2006.01); **H01R 43/048** (2006.01)

CPC (source: EP)
B30B 1/16 (2013.01); **B30B 15/285** (2013.01)

Citation (examination)

- EP 0449664 A2 19911002 - RIGGS AUTOPACK LTD [GB]
- DE 1577201 A1 19700409 - AMP INC

Cited by
CN113161841A; EP3208044A1; EP2995424A1; DE202014011110U1; US9864948B2; EP3396796A1; US10958030B2; EP3834989A1; US12015233B2; EP4243222A1; EP3820001A1; EP4007087A1; US11346732B2

Designated contracting state (EPC)
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EP 05010731 A 20050518; AT 05010731 T 20050518; DE 502005010975 T 20050518; ES 05010731 T 20050518