

Title (en)
MANUAL MACHINE TOOL

Title (de)
HANDWERKZEUGMASCHINE

Title (fr)
MACHINE-OUTIL PORTATIVE

Publication
EP 3325219 B1 20190515 (DE)

Application
EP 16738743 A 20160712

Priority
• EP 15177226 A 20150717
• EP 2016066501 W 20160712

Abstract (en)
[origin: WO2017012915A1] A portable power tool has a percussion mechanism which has an exciter piston guided along a movement axis (17) in a guide tube, and a striker coupled to the exciter piston via a pneumatic chamber, wherein a piston wall (22) of the exciter piston comes into contact with the guide tube. A connecting rod (18) is fastened to a piston pin (28) in the exciter piston at one end and is coupled to an electric motor at the other end. A bearing (29) for supporting the piston pin (28) is formed by a piston head (24) of the exciter piston and a closure plate (36) inserted into the exciter piston and located opposite the piston head (24). A rotary closure is formed by a groove, extending in a direction of rotation about the movement axis (17), in the piston wall (22) of the exciter piston and by a radially protruding fin (40) on the closure plate (36). A detent for locking the fin (40) counter to the direction of rotation can be pivoted in the radial direction between a locking position and a releasing position, wherein the detent is deflected beyond the external dimensions of the piston wall (22) in the radial direction in the releasing position.

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