

Title (en)  
DRILLHAMMER WITH PERCUSSION MECHANISM

Publication  
**EP 0266305 B1 19911023 (DE)**

Application  
**EP 87810528 A 19870915**

Priority  
DE 3633675 A 19861003

Abstract (en)  
[origin: US4798249A] In a hammer drill, a striking mechanism supplied percussive force to a tool. The striking mechanism includes a free piston slidably displaceable in a reciprocating manner within a guide cylinder. Balls mounted in the guide cylinder are spring biased into a recess in the free piston for securing the piston in a locked position so that it cannot deliver percussive force to the tool. The balls are spring biased by a ring encircling the cylinder with a spring pressing the ring in the axial direction of the cylinder against the balls.

IPC 1-7  
**A61B 5/02; G01N 24/08**

IPC 8 full level  
**A61B 5/02** (2006.01); **B25D 11/00** (2006.01); **B25D 11/04** (2006.01); **B25D 16/00** (2006.01); **B25D 17/06** (2006.01); **G01N 24/08** (2006.01)

CPC (source: EP US)  
**B25D 11/005** (2013.01 - EP US); **B25D 16/00** (2013.01 - EP US); **B25D 17/06** (2013.01 - EP US); **B25D 2211/068** (2013.01 - EP US)

Cited by  
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CH DE FR GB LI NL SE

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**EP 0266305 A1 19880504; EP 0266305 B1 19911023**; DE 3633675 A1 19880414; DE 3774072 D1 19911128; JP S6393578 A 19880423; US 4798249 A 19890117

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