

Title (en)

Pneumatic percussion mechanism

Title (de)

Pneumatisches Schlagwerk

Title (fr)

Mécanisme de percussion à ressort pneumatique

Publication

EP 1340596 B1 20100203 (DE)

Application

EP 03405098 A 20030219

Priority

DE 10209293 A 20020301

Abstract (en)

[origin: EP1340596A1] The pneumatic hammer mechanism for a hammer drill (1) has a pot-shaped flying piston (2), with a header (3) able to move into the pot cavity within a set length. The header, with the flying piston, forms a damping radial gap (X) for the closed gas-tight pot cavity (4), which reverses the motion within the set length.

IPC 8 full level

B25D 9/04 (2006.01); **B25D 17/06** (2006.01); **B25D 11/00** (2006.01); **B25D 17/24** (2006.01)

CPC (source: EP US)

B25D 11/005 (2013.01 - EP US); **B25D 17/06** (2013.01 - EP US); **B25D 17/24** (2013.01 - EP US); **B25D 2217/0015** (2013.01 - EP US); **B25D 2250/131** (2013.01 - EP US)

Cited by

US2014144658A1; US8011443B2; WO2013004459A1; WO2008074549A1

Designated contracting state (EPC)

CH DE FR GB LI SE

DOCDB simple family (publication)

EP 1340596 A1 20030903; **EP 1340596 B1 20100203**; CN 1442276 A 20030917; DE 10209293 A1 20030918; DE 50312392 D1 20100325; JP 2003266332 A 20030924; JP 4340081 B2 20091007; US 2003221847 A1 20031204

DOCDB simple family (application)

EP 03405098 A 20030219; CN 03106726 A 20030227; DE 10209293 A 20020301; DE 50312392 T 20030219; JP 2003052660 A 20030228; US 37600703 A 20030227