

Title (en)  
Pneumatic percussion mechanism

Title (de)  
Pneumatisches Schlagwerk

Title (fr)  
Mécanisme de percussion à ressort pneumatique

Publication  
**EP 1375077 A3 20040204 (DE)**

Application  
**EP 03405286 A 20030423**

Priority  
DE 10219950 A 20020503

Abstract (en)  
[origin: US2003205393A1] A pneumatic percussive mechanism having an axially reciprocating percussive loaded percussion piston (2), wherein a non-contacting magnetic field sensitive sensor (3) is arranged radial thereto. The percussion piston (2) features at least externally ferromagnetic material and has a plurality of axially separated zones (4) of different magnetic permeability.

IPC 1-7  
**B25D 17/06**; **B25D 9/00**

IPC 8 full level  
**B25D 9/02** (2006.01); **B25D 13/00** (2006.01); **B25D 17/06** (2006.01)

CPC (source: EP US)  
**B25D 17/06** (2013.01 - EP US); **B25D 2217/0019** (2013.01 - EP US); **B25D 2217/0023** (2013.01 - EP US); **B25D 2250/141** (2013.01 - EP US); **B25D 2250/221** (2013.01 - EP US)

Citation (search report)  
• [Y] US 5806609 A 19980915 - STOECK MAXIMILIAN [CH], et al  
• [Y] US 6253460 B1 20010703 - SCHMITZ GEOFFREY W [US]

Cited by  
CN104334316A; EP1607186A1; US10350742B2; WO2013174594A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 10219950 C1 20031030**; DE 50301651 D1 20051222; EP 1375077 A2 20040102; EP 1375077 A3 20040204; EP 1375077 B1 20051116; JP 2003326475 A 20031118; US 2003205393 A1 20031106; US 6799644 B2 20041005

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