

Title (en)
DRILL HAMMER

Title (de)
BOHRHAMMER

Title (fr)
MARTEAU PERFORATEUR

Publication
EP 1578563 A1 20050928 (DE)

Application
EP 03814446 A 20030725

Priority
• DE 0302518 W 20030725
• DE 10260710 A 20021223

Abstract (en)
[origin: WO2004060615A1] The invention relates to a drill hammer or a paving breaker comprising a housing (10), a tool holder (11) and an insulating air cushion striking train (12). The striking train (12) comprises a motor-driven piston (21) which can move back and forth, a hammer (22) which is driven by the piston (21) and a hammer tube (14) which guides the piston (21). An idling control opening and (31) an idling spring (35) are provided in order to control idling in the insulating air cushion striking train (12) when the tool is lifted from a processing point. In order to ensure an idling via a large idling path of the striking train (12) while at the same time ensuring low production costs and creating a constructively simple device, the hammer tube (14) is secured in the housing (10) in such a manner that it cannot be axially displaced and the tool holder (11) is embodied in such a manner that it can be axially displaced. The idling spring (35) is supported on the tool holder(11) and on a fixed stop ring (26) which cannot be displaced axially.

IPC 1-7
B25D 11/00; **B25D 16/00**; **B25D 17/06**

IPC 8 full level
B23B 45/16 (2006.01); **B25D 11/00** (2006.01); **B25D 16/00** (2006.01); **B25D 17/06** (2006.01)

CPC (source: EP)
B25D 11/005 (2013.01); **B25D 16/00** (2013.01); **B25D 17/06** (2013.01); **B25D 2250/035** (2013.01); **B25D 2250/131** (2013.01); **B25D 2250/191** (2013.01); **B25D 2250/371** (2013.01)

Citation (search report)
See references of WO 2004060615A1

Cited by
GB2421465A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
DE 10260710 A1 20040701; CN 100352611 C 20071205; CN 1717299 A 20060104; DE 50311673 D1 20090813; EP 1578563 A1 20050928; EP 1578563 B1 20090701; WO 2004060615 A1 20040722

DOCDB simple family (application)
DE 10260710 A 20021223; CN 03825702 A 20030725; DE 0302518 W 20030725; DE 50311673 T 20030725; EP 03814446 A 20030725