

Title (en)
DRILLING OR CHISELING HAMMER

Publication
EP 0218547 A3 19870429 (DE)

Application
EP 86810384 A 19860827

Priority
DE 3531641 A 19850905

Abstract (en)
[origin: EP0218547A2] 1. A drilling and chiselling hammer having a percussion mechanism comprising a percussion piston (4) which is set into reciprocating motion by a motor-operated excitation piston and which delivers its percussive energy to a tool (6) by way of an anvil (5, 23, 43) which is displaceable in an axially limited manner in which respect the path of displacement in the drilling or, respectively, chiselling direction is limited by an abutment shoulder (18, 28, 48) of the anvil (5, 23, 43) running up against a stop (19, 29, 49) of a housing-sided guide body (1, 21, 41), characterised in that arranged between the guide body (1, 21, 41) and the anvil (5, 23, 43) is a spring element which is supported against a supporting shoulder (11, 33, 51) of the guide body (1, 21, 41) and against a supporting shoulder (15, 31, 55) of the anvil (5, 23, 43) and which is designed as a rubber-elastic ring (16, 32, 54) and which keeps the abutment shoulder (18, 28, 48) of the anvil (5, 23, 43) at a spacing from the stop (19, 29, 49) of the guide body (1, 21, 41), by the extent of the spring path contrary to the drilling or, respectively, chiselling direction, in which respect the supporting shoulder (11, 33, 51) of the guide body (1, 21, 41) projects radially into the path of movement of the anvil (5, 23, 43).

IPC 1-7
B25D 17/06; **B25D 17/24**

IPC 8 full level
B25D 11/00 (2006.01); **B25D 17/06** (2006.01); **B25D 17/24** (2006.01)

CPC (source: EP)
B25D 11/005 (2013.01); **B25D 17/06** (2013.01); **B25D 17/24** (2013.01); **B25D 2250/191** (2013.01)

Citation (search report)

- [X] US 3266581 A 19660816 - COOLEY GORDON A, et al
- [X] FR 2531138 A1 19840203 - INST AVTOMATIKA AKADEMII [SU]
- [X] US 2372029 A 19450320 - STAIR CARLYLE B
- [X] US 1825632 A 19310929 - KORVIN-KROUKOVSKY BORIS V, et al
- [X] US 3022838 A 19620227 - MITCHELL WALLACE F
- [A] CH 636796 A5 19830630 - DUSS FRIEDRICH MASCHF [DE]
- [A] GB 2084917 A 19820421 - KANGO ELECTRIC HAMMERS LTD
- [A] DE 3335553 A1 19850502 - BLACK & DECKER INC [US]

Cited by
US5871059A; CN107160327A; EP2116333A1; EP1815947A3; EP2105260A1; US8037947B2; US12005555B2; WO2007141080A1

Designated contracting state (EPC)
CH DE GB LI NL

DOCDB simple family (publication)
EP 0218547 A2 19870415; **EP 0218547 A3 19870429**; **EP 0218547 B1 19900606**; DE 3531641 A1 19870305; DE 3671713 D1 19900712

DOCDB simple family (application)
EP 86810384 A 19860827; DE 3531641 A 19850905; DE 3671713 T 19860827