

Title (en)
Boring or chiseling hammer.

Title (de)
Bohr- oder Meißelhammer.

Title (fr)
Marteau pour percer ou buriner.

Publication
EP 0066779 A1 19821215 (DE)

Application
EP 82104567 A 19820525

Priority
DE 3122979 A 19810610

Abstract (en)
[origin: ES8305085A1] A hammer drill or chipping hammer includes a housing, a striking mechanism movably displaceably mounted within the housing, and a handle spring supported on the housing. To absorb vibrations generated during operation of the drill or hammer, piston-like weighted members are slidably mounted in the housing for movement parallel to the axial direction of the striking mechanism. The weighted members are supported by springs. Each weighted member is located within a separate cylinder and divides the cylinder into separate spaces. The spaces in the cylinders are interconnected by a fluid medium communicating between them for effecting balanced operation of the weighted members.

Abstract (de)
Bohr- oder Meißelhammer mit einem zur Dämpfung der auf die Bedienungsperson übertragbaren Vibrationen federnd gelagerten Handgriff (5). Zur weiteren Vibrationsdämpfung sind am Gehäuse (1) als in Führungszylindern (11a) geführte Kolben (12) ausgebildete Zusatzmassen federnd abgestützt. Um die unterschiedlichen Bewegungen der einzelnen Zusatzmassen (12) auszugleichen, sind die Enden der Führungszylinder (11a) über Druckausgleichsleitungen (11b, 11c) wechselseitig miteinander verbunden. Somit werden durch die Druckunterschiede die sich langsamer bewegendenden Zusatzmassen (12) von den sich schneller bewegendenden Zusatzmassen (12) beschleunigt.

IPC 1-7
B25D 17/24; **B25D 17/04**

IPC 8 full level
B23B 45/16 (2006.01); **B25D 17/04** (2006.01); **B25D 17/24** (2006.01); **E21C 37/24** (2006.01)

CPC (source: EP US)
B25D 17/043 (2013.01 - EP US); **B25D 17/24** (2013.01 - EP US); **B25D 2217/0084** (2013.01 - EP US); **B25D 2217/0092** (2013.01 - EP US); **Y10T 408/76** (2015.01 - EP US)

Citation (search report)

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- [A] US 2875731 A 19590303 - SETTLES JAMES C, et al
- [A] BE 498593 A

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EP 82104567 A 19820525; AT 82104567 T 19820525; AU 8440282 A 19820602; CA 404785 A 19820609; DE 3122979 A 19810610; ES 512958 A 19820609; FI 821478 A 19820428; HU 187282 A 19820609; JP 9861382 A 19820610; MX 19290782 A 19820528; NO 821908 A 19820608; SU 3448455 A 19820603; US 38441182 A 19820602; YU 110182 A 19820525