

Title (en)
PNEUMATICALLY DRIVEN HAMMER

Publication
EP 0166681 B1 19881019 (DE)

Application
EP 85810187 A 19850426

Priority
CH 263984 A 19840529

Abstract (en)
[origin: US4673042A] A pneumatic hammer includes a cylinder tube, a piston received in the cylinder tube for reciprocation therein; a device for alternately introducing pressurized air into first and second cylinder chambers on either side of the piston for driving the piston back and forth and an exhaust arrangement for removing spent air from the cylinder into the ambient atmosphere. There is provided a coupling cylinder mounted within the hammer housing and generally coaxially surrounding the cylinder tube along a substantial length thereof. The support cylinder has a plurality of circumferentially distributed longitudinal ribs extending parallel to the cylinder tube. The longitudinal ribs are in contact with an inner surface of the housing and an outer surface of the cylinder tube. The longitudinal ribs define and bound a first longitudinal chamber which is in communication an air outlet port provided in the cylinder tube and a second longitudinal chamber communicating in series with the first longitudinal chamber and further communicating with an exhaust outlet provided in the housing.

IPC 1-7
B25D 17/12

IPC 8 full level
B23B 45/16 (2006.01); **B25D 17/12** (2006.01)

CPC (source: EP US)
B25D 17/12 (2013.01 - EP US); **Y10S 173/02** (2013.01 - EP US)

Cited by
FR2710284A1; EP2105261A1

Designated contracting state (EPC)
AT DE FR GB IT SE

DOCDB simple family (publication)
EP 0166681 A1 19860102; EP 0166681 B1 19881019; AT E38008 T1 19881115; CH 663925 A5 19880129; DE 3565648 D1 19881124; JP S60255372 A 19851217; US 4673042 A 19870616

DOCDB simple family (application)
EP 85810187 A 19850426; AT 85810187 T 19850426; CH 263984 A 19840529; DE 3565648 T 19850426; JP 10846685 A 19850522; US 73909085 A 19850529