

Title (en)

Device for transferring axial impulses on a drill tool

Title (de)

Vorrichtung zur Uebertragung von impulsartigen axialen Schlägen auf ein Bohrwerkzeug

Title (fr)

Dispositif de transfert d'impulses axiaux sur un outil de forage

Publication

EP 0856371 A3 20021106 (DE)

Application

EP 97810997 A 19971217

Priority

DE 19703334 A 19970130

Abstract (en)

[origin: EP0856371A2] The effector comprises an adaptor housing (2), one end of which is releasably connects to the drill (3). The housing has rotary driver (7,9) connected to the drill's spindle (4). At the opposite end of the spindle is a tool accommodation (11), in which a drill bit (12) can be clamped. The rear end of the drill bit contacts an axially oscillating striker (15) activated by a mechanism (17-21) within the housing. The striker is coupled to the rotary driver to produce axial impulses.

IPC 1-7

B25D 17/00

IPC 8 full level

B23B 45/16 (2006.01); **B23D 17/06** (2006.01); **B25D 11/00** (2006.01); **B25D 17/00** (2006.01)

CPC (source: EP US)

B25D 17/005 (2013.01 - EP US); **B25D 17/088** (2013.01 - EP US); **B25D 2217/0042** (2013.01 - EP US)

Citation (search report)

- [XAY] US 4489792 A 19841225 - FAHIM ATEF E F [CA], et al
- [Y] US 3650336 A 19720321 - KOEHLER HEINRICH P
- [Y] US 2442140 A 19480525 - MOHR JOSEPH J
- [Y] US 2724573 A 19551122 - LUNDQUIST AXEL E

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0856371 A2 19980805; **EP 0856371 A3 20021106**; **EP 0856371 B1 20061122**; AT E345904 T1 20061215; DE 59712767 D1 20070104; ES 2276417 T3 20070616; US 6089330 A 20000718

DOCDB simple family (application)

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