

Title (en)
Percussion tool

Title (de)
Werkzeug mit zugeordnetem Schlagwerkzeuggerät

Title (fr)
Outil de percussion

Publication
EP 1174225 B1 20070919 (DE)

Application
EP 01810684 A 20010709

Priority
DE 10034742 A 20000717

Abstract (en)
[origin: EP1174225A1] The tool has a hammer tool device (1) with tool head (4) which is rotationally secured with the tool shaft and is movable axially restricted and which with regards to its impedance is adapted acoustically to the fly piston (5) of the hammer tool. The abutting end faces (10) are in at least partial surface contact with each other. The acoustic length of the tool head is half the length of the shock pulse (7) excited by the piston.

IPC 8 full level
B25D 17/06 (2006.01); **E21B 10/36** (2006.01); **B25D 9/04** (2006.01); **B25D 17/02** (2006.01); **B25D 17/08** (2006.01); **E21B 4/06** (2006.01); **E21B 7/24** (2006.01); **E21B 10/38** (2006.01); **E21B 17/00** (2006.01); **E21B 17/07** (2006.01)

CPC (source: EP US)
B25D 17/02 (2013.01 - EP US); **E21B 4/06** (2013.01 - EP US); **E21B 7/24** (2013.01 - EP US); **E21B 10/38** (2013.01 - EP US); **E21B 17/076** (2013.01 - EP US)

Cited by
WO2014188459A1; ITTO20130402A1; EP1267033A1; EP2465644A1; ITTO20101023A1

Designated contracting state (EPC)
CH DE FR GB LI NL SE

DOCDB simple family (publication)
EP 1174225 A1 20020123; EP 1174225 B1 20070919; AU 5193801 A 20020124; AU 778233 B2 20041125; CN 1333112 A 20020130; DE 10034742 A1 20020131; DE 50113024 D1 20071031; JP 2002097885 A 20020405; JP 4842458 B2 20111221; US 2002020566 A1 20020221; US 6557653 B2 20030506; ZA 200105839 B 20020207

DOCDB simple family (application)
EP 01810684 A 20010709; AU 5193801 A 20010615; CN 01122376 A 20010711; DE 10034742 A 20000717; DE 50113024 T 20010709; JP 2001215536 A 20010716; US 90268001 A 20010711; ZA 200105839 A 20010101