

Title (en)
Impact tool

Title (de)
Schlagwerkzeug

Title (fr)
Outil à impact

Publication
EP 1980371 B1 20140319 (EN)

Application
EP 07707646 A 20070129

Priority
• JP 2007051415 W 20070129
• JP 2006022446 A 20060131

Abstract (en)
[origin: EP1980371A1] An impact tool (101) comprises a motor (111), a first motion conversion mechanism (113) for converting the rotational output of the motor (111) into a linear motion, a first impact mechanism (117) driven by the first motion conversion mechanism (113) for performing linear motions, a second motion conversion mechanism (115) for converting the rotational output of the motor (111) into a linear motion, a second impact mechanism (119) driven by the second motion conversion mechanism (115) for performing linear motions, and a tip tool member (163) caused by the first and second impact mechanisms (117, 119) to perform alternate impact actions. With these alternate impacts by the first and second impact mechanisms (117, 119), the number of impacts of the tip tool member (163) per unit time is increased, and the first impact mechanism (117) and the second impact mechanism (119) alternatively function as a counter weight.

IPC 8 full level
B25D 11/12 (2006.01); **B25D 17/06** (2006.01); **B25D 17/08** (2006.01)

CPC (source: EP)
B25D 11/125 (2013.01); **B25D 17/06** (2013.01); **B25D 17/08** (2013.01); **B25D 2211/003** (2013.01); **B25D 2216/0015** (2013.01); **B25D 2216/0023** (2013.01); **B25D 2217/0026** (2013.01); **B25D 2217/0088** (2013.01); **B25D 2250/275** (2013.01)

Cited by
ITPN20110067A1; US2018036842A1; US10549392B2; US2023027574A1

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 1980371 A1 20081015; EP 1980371 A4 20100616; EP 1980371 B1 20140319; JP 2007203388 A 20070816; WO 2007088821 A1 20070809

DOCDB simple family (application)
EP 07707646 A 20070129; JP 2006022446 A 20060131; JP 2007051415 W 20070129