

Title (en)
IMPACT TOOL

Title (de)
SCHLAGWERKZEUG

Title (fr)
OUTIL A IMPACT

Publication
EP 1980371 A4 20100616 (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)

CPC (source: EP)
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Citation (search report)
• [X] JP S4514236 B1
• [XA] DE 967868 C 19571219 - ROBEL & CO G
• [Y] DE 830332 C 19520204 - MOENNINGHOFF MASCHF
• [Y] JP S6033636 A 19850221 - NIPPON ELECTRIC CO
• See references of WO 2007088821A1

Cited by
ITPN20110067A1; US2018036842A1; US10549392B2; US2023027574A1

Designated contracting state (EPC)
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