

Title (en)
IMPACT TOOL

Title (de)
SCHLAGWERKZEUG

Title (fr)
OUTIL D'IMPACT

Publication
EP 2415563 A4 20140409 (EN)

Application
EP 10758826 A 20100331

Priority
• JP 2010055923 W 20100331
• JP 2009089252 A 20090401

Abstract (en)
[origin: EP2415563A1] A technique for further improving the effect of reducing vibration of a handle in an impact tool is provided. An impact tool, having a tool bit 119 which is caused to linearly move in an axial direction of the tool bit 119 and thereby perform a predetermined operation, includes a handle 109 to be held by a user, an outer housing 103 that is integrally formed with the handle 109, a motor 111 that is disposed in an outer housing 103 such that its rotation axis runs transversely to the axial direction of the tool bit 119, a gear 155 that is rotationally driven by receiving torque of the motor 111 in the outer housing 103, an impact driving part 113 that is driven by the gear 155 in the outer housing 103, and a striking element 133 that is driven by the impact driving part 113 and linearly moves the tool bit 119. The motor 111 is mounted to the outer housing 103, and the outer housing 103 is connected to the impact driving part 113 and the gear 155 via an elastic element 171 and can move in the axial direction of the tool bit 119 with respect to the impact driving part 113 and the gear 155.

IPC 8 full level
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CPC (source: EP)
B25D 16/006 (2013.01); **B25D 17/00** (2013.01); **B25D 17/24** (2013.01); **B25D 2211/003** (2013.01); **B25D 2211/068** (2013.01); **B25D 2222/57** (2013.01); **B25D 2250/085** (2013.01); **B25D 2250/245** (2013.01)

Citation (search report)
• [X] GB 2154497 A 19850911 - BOSCH GMBH ROBERT
• [X] US 5678641 A 19971021 - MANSCHITZ ERWIN [DE], et al
• See references of WO 2010114055A1

Cited by
EP2468455A4; US9999967B2; CN106457544A; US2017106517A1; EP3156185A4

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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