

Title (en)
Impact rotation tool

Title (de)
Schlagdrehwerkzeug

Title (fr)
Outil de rotation d'impact

Publication
EP 2712708 A3 20180321 (EN)

Application
EP 13184680 A 20130917

Priority
JP 2012216027 A 20120928

Abstract (en)
[origin: EP2712708A2] An impact rotation tool (1) includes a switching shaft (73) (73), which extends through a drive shaft (6), and a coupling member (72), which is coupled to the switching shaft (73). The switching shaft (73) moves the coupling member (72) to a position where the coupling member (72) is engaged with the wall of only the drive shaft hole (54) to switch the impact rotation tool (1) to an impact mode. The switching shaft (73) moves the coupling member (72) to a position where the coupling member (72) is engaged with the walls of both of the drive shaft hole (54) to switch the impact rotation tool (1) to a drill mode. The wall of the drive shaft hole (54) includes an engagement portion (75), which is engaged with the coupling member (72) in the impact mode, and a relief (76), which does not contact the outer circumferential surface of the coupling member (72) in the impact mode.

IPC 8 full level
B25B 21/02 (2006.01); **B25B 21/00** (2006.01)

CPC (source: CN EP)
B25B 21/026 (2013.01 - CN EP)

Citation (search report)

- [A] EP 1050381 A2 20001108 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [A] JP H0740258 A 19950210 - MATSUSHITA ELECTRIC WORKS LTD
- [A] EP 2168724 A1 20100331 - BLACK & DECKER INC [US]
- [A] EP 1762343 A2 20070314 - TECHTRONIC IND CO LTD [CN]

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2712708 A2 20140402; EP 2712708 A3 20180321; EP 2712708 B1 20190206; CN 103707253 A 20140409; CN 103707253 B 20160127; JP 2014069262 A 20140421; JP 5963050 B2 20160803

DOCDB simple family (application)
EP 13184680 A 20130917; CN 201310445723 A 20130925; JP 2012216027 A 20120928