

Title (en)
Ratchet wrench

Title (de)
Ratschenschlüssel

Title (fr)
Clé à cliquet

Publication
EP 0963814 A3 20000816 (EN)

Application
EP 99104658 A 19990309

Priority
JP 463598 U 19980610

Abstract (en)
[origin: EP0963814A2] A ratchet wrench (3) for turning bolts and nuts disposed in narrow or inaccessible places. The ratchet wrench is rotatably attached to an end (1a) of an operation rod (1). The ratchet wrench comprises a weight (21) attached to the operation rod, the weight being slidable lengthwise along the operation rod, the operation rod being provided at a portion thereof in front of the weight with a front weight receiving portion (25) against which the weight is struck. Alternatively, the operation rod may be provided at a portion thereof in the rear of the weight with a rear weight receiving portion (27) against which the weight is struck. Also, the operation rod may be provided with both the front weight receiving portion and the rear weight receiving portion. <IMAGE>

IPC 1-7
B25B 13/46; **B25B 13/48**; **B25B 19/00**

IPC 8 full level
B25B 13/46 (2006.01); **B25B 13/48** (2006.01); **B25B 19/00** (2006.01)

CPC (source: EP)
B25B 13/463 (2013.01); **B25B 13/48** (2013.01); **B25B 19/00** (2013.01)

Citation (search report)
• [A] US 5109739 A 19920505 - HULL HAROLD L [US], et al
• [A] US 5592860 A 19970114 - WOODSUM DAVID A [US]
• [A] US 4184552 A 19800122 - ANDERSON J EDWARD C [US]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 0963814 A2 19991215; **EP 0963814 A3 20000816**; CN 1144656 C 20040407; CN 1238255 A 19991215; JP 3054836 U 19981218; TW 377312 B 19991221

DOCDB simple family (application)
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