

Title (en)
Selective one-way wrench

Title (de)
Selektiver unidirektionaler Schraubenschlüssel

Title (fr)
Clé unidirectionnelle sélective

Publication
EP 2764955 A1 20140813 (EN)

Application
EP 13154297 A 20130206

Priority
EP 13154297 A 20130206

Abstract (en)
A selective one-way wrench includes a head (20), a rotor (30), a switch (41), a pawl (60) and a torque spring (50). The head includes a first cavity (21) defined therein, a second cavity (22) in communication with the first cavity, and a third cavity (24) in communication with the second cavity. The rotor (30) is rotationally placed in the first cavity and formed with a gear (34). The switch (41) includes a body (45) pivotally inserted in the third cavity (24), a recess (47) defined in the body, and a bore (48) in communication with the recess. The pawl (60) is movably placed in the second cavity (22) and formed with a plurality of teeth (62) engaged with the gear (34) and a groove (67) defined therein. The torque spring (50) includes a helical portion (51) placed in the recess (47), a first rectilinear end (53) extending into the groove (67) from the helical portion (51), and a second rectilinear end (54) extending into the bore (48) from the helical portion.

IPC 8 full level
B25B 13/46 (2006.01)

CPC (source: EP)
B25B 13/463 (2013.01)

Citation (applicant)
• US 1957462 A 19340508 - KRESS WILLARD C
• TW 289994 B

Citation (search report)
• [A] US 2007000357 A1 20070104 - HSIEH CHIH-CHING [TW]
• [A] DE 20113307 U1 20011018 - MCCANN FRANK [TW]
• [A] US 2003192408 A1 20031016 - GARG AJAY [US]

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

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