

Title (en)

Biasing arrangement for a pawl of a reversible ratchet-type wrench

Title (de)

Vorspannanordnung für die Sperrklinge eines Schraubenschlüssels des umkehrbaren Ratschentyps

Title (fr)

Agencement de sollicitation pour cliquet d'une clef du type à cliquet reversible

Publication

EP 1215014 A2 20020619 (EN)

Application

EP 01120977 A 20010831

Priority

DE 10062853 A 20001216

Abstract (en)

A reversible ratchet-type wrench includes a handle and a head extended from the handle and having a hole. A web is defined between the handle and the head, and a cavity is defined in the web and communicated with the hole. The web further includes a compartment having a first end communicated with the cavity and a second end communicated with outside, thereby leaving a bridge in the web. A drive member is rotatably mounted in the hole of the head. A pawl is mounted in the cavity and includes a first side with ratchet teeth for releasably engaging with teeth on an outer periphery of the drive member. A switch member includes a turn-piece for manual operation and an actuating plate extended from the turn-piece and rotatably received in the second end of the compartment of the head. The switch member is switchable between two positions for changing ratcheting direction of the drive member. A biasing arrangement is mounted in the cavity and between the pawl and the actuating plate for biasing the ratchet teeth of the pawl to engage with the teeth of the drive member. <IMAGE>

IPC 1-7

B25B 13/46

IPC 8 full level

B25B 13/46 (2006.01)

CPC (source: EP)

B25B 13/463 (2013.01)

Cited by

CN103286716A; CN110238784A; EP2633952A2; US9067308B2; TWI426004B

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1215014 A2 20020619; EP 1215014 A3 20031029; CA 2356549 A1 20020616; CA 2356549 C 20051206; JP 2002254329 A 20020910

DOCDB simple family (application)

EP 01120977 A 20010831; CA 2356549 A 20010904; JP 2001329399 A 20011026