

Title (en)
Ratchet wrench

Title (de)
Ratschenschlüssel

Title (fr)
Clé à cliquet

Publication
EP 2656971 B1 20180314 (EN)

Application
EP 12002947 A 20120426

Priority
EP 12002947 A 20120426

Abstract (en)
[origin: EP2656971A1] A ratchet wrench (1) includes a main body (2) provided with a driving gear (3) and a driven gear (4) and having a receiving groove (22) disposed with ratchet teeth (231) on the inner wall. The driving gear (3) is ball-shaped and has the outer wall of each gear tooth forming an arc-shaped surface (31), and a concave surface (41) is formed between every two gear teeth of the driven gear (4) to match the arc-shaped surface (41) of the gear teeth (30) of the driving gear (3). Each gear tooth of the driven gear (4) is provided with plural ratchet teeth to be engaged with the ratchet teeth (231) of the receiving groove (22). An interaction member (44) is received inside the driven gear (4), having one end connected with an orientating member (52) and another end positioned on a cover plate (6). A pressing piece (45) is fixed on the interactive member (44) and a spring (46) is positioned between the pressing piece (45) and the interactive member (44).

IPC 8 full level
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CPC (source: EP)
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