

Title (en)
SCREWDRIVER WITH TORQUE CONTROL

Title (de)
SCHRAUBENDREHER MIT DREHMOMENTBEGRENZUNG

Title (fr)
TOURNEVIS A LIMITATION DU COUPLE DE ROTATION

Publication
EP 1631418 B1 20061227 (DE)

Application
EP 04733337 A 20040517

Priority
• EP 2004005283 W 20040517
• DE 20320337 U 20030517
• DE 102004016521 A 20040403

Abstract (en)
[origin: WO2004101227A1] The invention relates to a screwdriver comprising a handle (1) and a blade (2). The handle (1) comprises a front handle part (3) which is joined to the blade (2) and a rear handle part (4). The rear handle part (4) comprises a recess (9) which receives at least part of a torque control device which interacts with the blade (2) and the blade (2), which is essentially fixed to the handle (1) in the axial direction of the handle (1), protrudes through a through bore of the front handle part (3). The torque control limitation device forms a first tooth part (14) which is connected to the blade in an axially fixed or rotationally fixed manner and comprises a second tooth part (15) which is associated with the rotationally fixed, axially displaceable handle counter to the restoring force of a compression spring (16). The tooth parts (14, 15) form front toothings which surround the blade (2). The teeth form transversal flanks which are pressed against each other by the compression spring (16) and slide on top of each other when the limiting rotational torque is obtained. The invention also relates to a rotationally fixed and axially fixed bearing collar (18) associated with the blade (2), said bearing collar being mounted between bearing sections (19, 20) both parts of the handle (3).

IPC 8 full level
B25B 23/142 (2006.01); **B25B 23/14** (2006.01)

CPC (source: EP)
B25B 23/141 (2013.01); **B25B 23/1427** (2013.01)

Cited by
DE102019116238A1; WO2019238932A1; TWI783835B

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004101227 A1 20041125; AT E349299 T1 20070115; DE 502004002463 D1 20070208; EP 1631418 A1 20060308; EP 1631418 B1 20061227

DOCDB simple family (application)
EP 2004005283 W 20040517; AT 04733337 T 20040517; DE 502004002463 T 20040517; EP 04733337 A 20040517