

Title (en)
SCREWDRIVING TOOL WITH FREE WHEEL GEAR

Title (de)
SCHRAUBWERKZEUG MIT FREILAUFGETRIEBE

Title (fr)
OUTIL DE VISSAGE COMPRENANT UN MECANISME DE ROUE LIBRE

Publication
EP 2134513 B1 20151111 (DE)

Application
EP 08701351 A 20080109

Priority
• EP 2008050187 W 20080109
• DE 102007004987 A 20070201
• DE 102007049304 A 20071015

Abstract (en)
[origin: CA2677166A1] The invention relates to a screwdriving tool, comprising a gear head (205) and a drive arm (203). The gear head (205) forms a gear housing (212), in which a free wheel or ratchet gear (202) having an output rotational axis (201) is arranged. A front side of the gear head (205) comprises an output coupling (204), particularly in the shape of a polygon. The drive arm (203) can be pivoted about a pivot axis (208), which is substantially transverse to the output rotational axis (201), from a quick-action screwdriver position, in which the drive arm (203) is in the output rotational axis (201), into a power-action screwdriver position, in which the drive arm (203) extends substantially transversely to the output rotational axis (201) and can be fixed in both pivot positions by detent means (206). The detent means (206) can be moved from a detent position into a release position by means of an actuating member (213) associated with the drive arm (203). For an enhancement that is advantageous for use, it is proposed to provide two centrifugal masses (225), which are arranged diametrically opposed from each other and associated with the drive arm (203), and a sleeve (226) that is rotatably associated with the drive arm (203).

IPC 8 full level
B25G 1/06 (2006.01); **B25B 13/46** (2006.01); **B25B 23/16** (2006.01)

CPC (source: EP US)
B25B 13/461 (2013.01 - EP US); **B25B 23/0021** (2013.01 - EP US); **B25B 23/0028** (2013.01 - EP US); **B25G 1/063** (2013.01 - EP US); **B25G 1/066** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007049304 A1 20080807; **DE 102007049304 B4 20200903**; AU 2008209883 A1 20080807; AU 2008209883 B2 20130418; CA 2677166 A1 20080807; CA 2677166 C 20141202; CN 101657302 A 20100224; CN 101657302 B 20121219; EP 2134513 A2 20091223; EP 2134513 B1 20151111; EP 2135714 A2 20091223; EP 2135714 A3 20100901; EP 2135714 B1 20150701; HK 1133620 A1 20100401; JP 2010517793 A 20100527; JP 5202542 B2 20130605; US 2010058896 A1 20100311; US 7878091 B2 20110201; WO 2008092717 A2 20080807; WO 2008092717 A3 20090604

DOCDB simple family (application)
DE 102007049304 A 20071015; AU 2008209883 A 20080109; CA 2677166 A 20080109; CN 200880003859 A 20080109; EP 08701351 A 20080109; EP 09172019 A 20080109; EP 2008050187 W 20080109; HK 10100804 A 20100126; JP 2009547619 A 20080109; US 53391509 A 20090731