

Title (en)
Ratchet with fine toothing

Title (de)
Ratsche mit Feinverzahnung

Title (fr)
Mécanisme à rochet à denture fine

Publication
EP 2851155 A3 20150805 (DE)

Application
EP 14002884 A 20140819

Priority
DE 202013103841 U 20130826

Abstract (en)
[origin: US2015053051A1] A ratcheting tool comprises a drive housing provided with a housing cover and an actuating lever. A drive is arranged in the drive housing, wherein the drive comprises a rotary part with toothing rotatably supported in the drive housing. A connector serves for receiving plug-on or plug-in tools. A locking pawl is pivotally arranged in the drive housing, wherein the locking pawl comprises a toothing which engages the toothing of the rotary part for transmitting torque in one direction of rotation. A switch sets the direction of rotation and the engagement of the toothing of the locking pawl into the toothing of the rotary part. A hinge connection connects the locking pawl to the switch, wherein the switch comprises a switching pin which is rotatably supported in the drive housing.

IPC 8 full level
B25B 13/46 (2006.01)

CPC (source: CN EP US)
B25B 13/463 (2013.01 - CN EP US); **B25B 13/465** (2013.01 - US)

Citation (search report)

- [XY] US 2006027050 A1 20060209 - HSIEN CHIH-CHING [TW]
- [XY] DE 20210731 U1 20021114 - HSIEN CHIH CHING [TW]
- [Y] DE 202007014032 U1 20071213 - KRAFT TOOLS MFG CO LTD A [TW]
- [IY] US 2006081092 A1 20060420 - CHEN CHING [TW]

Cited by
DE102017120094A1; DE102019105567A1; WO2020177805A1

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

DOCDB simple family (publication)
DE 202013103841 U1 20130911; CN 104416509 A 20150318; EP 2851155 A2 20150325; EP 2851155 A3 20150805; HK 1207840 A1 20160212; JP 2015042440 A 20150305; TW 201524693 A 20150701; TW I630986 B 20180801; US 2015053051 A1 20150226; US 9089953 B2 20150728

DOCDB simple family (application)
DE 202013103841 U 20130826; CN 201410424781 A 20140826; EP 14002884 A 20140819; HK 15108197 A 20150824; JP 2014171498 A 20140826; TW 103129154 A 20140825; US 201414465343 A 20140821