

Title (en)
SCREWDRIVER AND METHOD FOR CONTROLLING A SCREWDRIVER

Title (de)
SCHRAUBER UND VERFAHREN ZUM STEUERN EINES SCHRAUBERS

Title (fr)
TOURNEVIS ET PROCÉDÉ DE COMMANDE D'UN TOURNEVIS

Publication
EP 2527091 B1 20171004 (DE)

Application
EP 12165857 A 20120427

Priority
DE 102011102275 A 20110523

Abstract (en)
[origin: EP2527091A2] The screw driver has a drive (12) including electric motor (14) connected to drive shaft (20) for driving a tool (22), and current sensor (38) to detect motor current. A control unit (36) calculates threshold value for motor current by transferring the electric motor to waiting state, based on preset torque. The motor current is monitored, and the brake criterion is determined based on preset torque, when monitored motor current exceeds threshold value. The drive is decelerated when brake criterion is satisfied and the motor is not energized during brake operation of drive. An independent claim is included for a method for controlling screw driver.

IPC 8 full level
B25B 21/00 (2006.01); **B25B 23/147** (2006.01)

CPC (source: EP)
B25B 21/00 (2013.01); **B25B 23/147** (2013.01)

Cited by
CN102960328A; EP3228423A1; EP3211786A4; JP2014104537A; EP2840705A3; US11108221B2; CN104156013A; EP3719947A1; FR3094848A1; WO2017174300A1; WO2021244790A1

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

DOCDB simple family (publication)
EP 2527091 A2 20121128; EP 2527091 A3 20160914; EP 2527091 B1 20171004; CN 102794732 A 20121128; CN 102794732 B 20160803; DE 102011102275 A1 20121129

DOCDB simple family (application)
EP 12165857 A 20120427; CN 201210163235 A 20120523; DE 102011102275 A 20110523