

Title (en)
Control method and hand tool machine

Title (de)
Steuerungsverfahren und Handwerkzeugmaschine

Title (fr)
Procédé de commande et machine-outil manuelle

Publication
EP 2505316 A3 20140423 (DE)

Application
EP 12155291 A 20120214

Priority
DE 102011006385 A 20110330

Abstract (en)
[origin: EP2505316A2] The method involves coupling a battery pack (10) and a power connector (14) by a mechanical lock (13). The properties of battery pack are transmitted to motor controller (21) by a communication interface (24) which is operated by a user button (4) for activating a powered hand tool (1). The characteristics of the hand tool and battery pack are checked to set rate of acceleration of motor (7) as a function of the characteristics of the battery pack. The speed of the motor is adjusted corresponding to the rate of acceleration, when the button is pressed. An independent claim is included for powered hand tool.

IPC 8 full level
B25F 5/00 (2006.01)

CPC (source: EP US)
B25F 5/00 (2013.01 - EP US)

Citation (search report)

- [X] EP 2003761 A2 20081217 - BLACK & DECKER INC [US]
- [X] DE 202008010458 U1 20081127 - BOSCH GMBH ROBERT [DE]
- [A] EP 2207249 A2 20100714 - HILTI AG [LI]
- [A] US 2009200878 A1 20090813 - WALTER RICHARD THOMAS [US]
- [A] US 2010084150 A1 20100408 - SUZUKI HITOSHI [JP], et al
- [A] WO 2009158226 A2 20091230 - GM GLOBAL TECH OPERATIONS INC [US]

Cited by
EP2944431A1; EP2995428A1; US9553534B2; US11569765B2

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)
EP 2505316 A2 20121003; EP 2505316 A3 20140423; CN 102729220 A 20121017; US 2012247796 A1 20121004

DOCDB simple family (application)
EP 12155291 A 20120214; CN 201210082159 A 20120326; US 201213434328 A 20120329