

Title (en)  
Electric screwdriver with overload release coupling and wireless communication connection to a base station

Title (de)  
Elektro-Schrauber mit Abschaltkupplung und drahtlose Übertragungsstrecke zu einer Basisstation

Title (fr)  
Tournevis électrique avec DISPOSITIF D'ACCOUPLEMENT A LIMITATION DE TORSION et liaison de transmission sans fil avec une station de base

Publication  
**EP 1270150 B1 20050831 (DE)**

Application  
**EP 02011720 A 20020525**

Priority  
DE 10127821 A 20010607

Abstract (en)  
[origin: DE10127821C1] The screwdriver operating device has an electrochemical storage battery (A), an electric motor (M), a switched coupling (K) with a switch contact operated upon reaching a given torque, a control (6) for detection and transmission of operating data for the screwdriver and a base station (7) receiving the operating data via a radio transmission path. The control has a microcontroller unit (L1), coupled to a motor contact and the switch contact of the switched coupling and connected to a radio transmitter (TX1) and a radio receiver (RX1) for bidirectional data transmission, the base station similarly having a microcontroller unit (L2), a radio transmitter (TX2) and a radio receiver (RX2). An Independent claim for a system for operation of an electric screwdriver is also included.

IPC 1-7  
**B25B 23/14**; **B23P 19/06**

IPC 8 full level  
**B25B 21/00** (2006.01); **B25B 23/14** (2006.01)

CPC (source: EP)  
**B25B 21/00** (2013.01); **B25B 23/14** (2013.01)

Cited by  
DE102016219784A1; EP3047943A3; EP1902817A3; US9917457B2; US11260514B2; US11665519B2; US11963079B2; US10950074B2; US11869288B2; USRE41160E; USRE41185E; US11014222B2; US11212909B2; US11375610B2; US11570888B2; US11871509B2

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