

Title (en)  
ELECTRIC SCREWDRIVER

Title (de)  
ELEKTROSCHRAUBER

Title (fr)  
VISSEUSE ÉLECTRIQUE

Publication  
**EP 4257289 A4 20240529 (EN)**

Application  
**EP 22749082 A 20220128**

Priority  
• CN 202110166289 A 20210204  
• CN 2022074528 W 20220128

Abstract (en)  
[origin: EP4257289A1] Provided is an electric screwdriver. The electric screwdriver includes a housing; an electric motor including a motor shaft rotatable about a motor axis; an output assembly including an output shaft movable forward and backward along a direction of a first axis; and a transmission assembly configured to transmit the power outputted by the motor shaft to the output shaft. The electric screwdriver further includes a startup circuit configured to start the electric motor. The startup circuit includes a switch assembly controlling the on state of the startup circuit; and an activation assembly including a detection element electrically connected to the electric motor or connected to the electric motor through a signal and an activation element configured to activate the detection element. The output shaft is capable of driving the detection element to move. The detection element includes one activated state during movement. When the detection element is in the activated state and the switch assembly is on, the electric motor starts.

IPC 8 full level  
**B25B 19/00** (2006.01); **B25B 21/00** (2006.01); **B25F 5/00** (2006.01)

CPC (source: EP)  
**B25B 21/00** (2013.01); **B25F 5/00** (2013.01)

Citation (search report)  
• [XAI] US 2011203821 A1 20110825 - PUZIO DANIEL [US], et al  
• [XP] US 2021069875 A1 20210311 - HAIRUL BIN ABD MANAF [MY], et al  
• [XA] DE 102012223664 A1 20140626 - BOSCH GMBH ROBERT [DE]  
• [A] DE 102011084432 A1 20130418 - BOSCH GMBH ROBERT [DE]  
• See also references of WO 2022166803A1

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 4257289 A1 20231011; EP 4257289 A4 20240529; CN 115243833 A 20221025; WO 2022166803 A1 20220811**

DOCDB simple family (application)  
**EP 22749082 A 20220128; CN 2022074528 W 20220128; CN 202280002786 A 20220128**