

Title (en)  
IMPACT SCREWING/UNSCREWING DEVICE WITH VACUUM CONTROL

Title (de)  
SCHLAGVERSCHRAUBUNGS-/ABSCHRAUBUNGSVORRICHTUNG MIT VAKUUMSTEUERUNG

Title (fr)  
DISPOSITIF DE VISSAGE-DEVISSAGE A IMPACT A PILOTAGE A VIDE

Publication  
**EP 4267346 A1 20231101 (FR)**

Application  
**EP 21840637 A 20211223**

Priority  
• FR 2014124 A 20201224  
• EP 2021087549 W 20211223

Abstract (en)  
[origin: WO2022136662A1] The present invention relates to an impact screwing/unscrewing device comprising: an electric motor comprising a rotor; means for controlling the motor which are capable of transmitting a control setpoint to the motor; an impact mechanism comprising: at least one anvil mounted such that it can rotate about an axis of rotation of the rotor; at least one hammer capable of being rotated by the motor about said axis, the at least one hammer being movable between at least: a non-engaged position in which it is not capable of colliding with the at least one anvil when it is rotated by the motor, and an engaged position in which it is capable of colliding with the at least one anvil when it is rotated by the motor. According to the invention, varying the control setpoint provided to the motor by the control means triggers movement of the at least one hammer from one of its positions to another.

IPC 8 full level  
**B25B 23/142** (2006.01); **B25B 21/02** (2006.01); **B25B 23/147** (2006.01)

CPC (source: EP US)  
**B25B 21/026** (2013.01 - EP US); **B25B 23/1475** (2013.01 - EP US)

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**FR 3118434 A1 20220701**; **FR 3118434 B1 20230602**; EP 4267346 A1 20231101; JP 2024502779 A 20240123; US 2024051100 A1 20240215; WO 2022136662 A1 20220630

DOCDB simple family (application)  
**FR 2014124 A 20201224**; EP 2021087549 W 20211223; EP 21840637 A 20211223; JP 2023538988 A 20211223; US 202118259167 A 20211223