

Title (en)

An electrically driven screw-driver.

Title (de)

Elektrisch betätigter Schraubenzieher.

Title (fr)

Tournevis électrique.

Publication

EP 0088836 A1 19830921 (EN)

Application

EP 82301241 A 19820311

Priority

EP 82301241 A 19820311

Abstract (en)

An electrically driven screw is disclosed in which a ratchet device is mounted to a portion of a chucking shaft provided with a removable driver bit, said chucking shaft (32) being connected to an output shaft (34) of an electric motor (18) through a planetary reduction system (22) and in which a torque controlling mechanism having a clutch function is mounted to the planetary reduction system. In accordance with the electrically driven screw-driver combination of the ratchet device and the torque controlling mechanism permits the screw-driver to be operated in such a way that only the prefasting, or screwing step may be carried out mechanically and electrically while the finishing step of strong fastening may be performed manually, resulting in a very compact and light screw-driver which is very convenient in portability.

IPC 1-7

B25B 21/00

IPC 8 full level

B25B 21/00 (2006.01)

CPC (source: EP)

B25B 21/00 (2013.01); **B25B 21/004** (2013.01); **B25B 23/141** (2013.01)

Citation (search report)

- [X] DE 1078958 B 19600331 - HANNS FICKERT, et al
- [Y] US 2179724 A 19391114 - KUEHNE HERMAN H
- [Y] US 3491616 A 19700127 - ALBERT JEAN PAUL
- [Y] US 4078589 A 19780314 - MILLER WALTER L
- [Y] EP 0026738 A1 19810408 - LECUREUX BERNARD
- [A] DE 2513648 A1 19760902 - HOLLAND LETZ FELO WERKZEUG
- [A] FR 2396626 A1 19790202 - TOTSU KATSUYUKI [JP]

Cited by

FR2589097A1; EP0293706A1; FR2794047A1; DE4128651A1; GB2145359A; GB2343855A; GB2343855B; EP0222658A1; US4754669A; CN110576405A; US6273200B1; WO0071299A3; WO2005051606A1; EP3005963A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0088836 A1 19830921; **EP 0088836 B1 19860924**; AT E22406 T1 19861015; DE 3273401 D1 19861030

DOCDB simple family (application)

EP 82301241 A 19820311; AT 82301241 T 19820311; DE 3273401 T 19820311