

Title (en)

DEVICE FOR LOCKING A BATTERY PACK IN A GUIDE IN AN ELECTRIC TOOL

Title (de)

VORRICHTUNG ZUM VERRIEGELN EINES BATTERIEPACKS IN EINER FÜHRUNG EINES ELEKTROWERKZEUGS

Title (fr)

DISPOSITIF SERVANT A VERROUILLER UN BLOC-BATTERIE DANS UNE COULISSE D'UN OUTIL ELECTRIQUE

Publication

EP 1809444 A1 20070725 (DE)

Application

EP 05772047 A 20050804

Priority

- EP 2005053830 W 20050804
- DE 102004049085 A 20041008

Abstract (en)

[origin: WO2006040204A1] The invention relates to a device for locking a battery pack (6) in a guide (10) in an electric tool (4), whereby the battery pack (6), on insertion into the guide (10), may first be displaced into a front locking position, in which the same is locked to the electric tool (4), with no electrical contact between the electric tool (4) and the battery pack (6) and then further displaced into a rear locking position, in which the same is locked to the electric tool (4) and an electrical contact between the electric tool (4) and the battery pack (6) is generated and the battery pack may be manually unlocked for removal and may be moved from the rear locking position out of the guide (10) via the front locking position. The electric tool (4) comprises a bolt (20), which remains locked to the battery pack (6) on a movement of the battery pack (6) between both locking positions and which may be displaced together with the battery pack (6) in relation to the electric tool (4).

IPC 8 full level

B25F 5/02 (2006.01)

CPC (source: EP US)

B25F 5/02 (2013.01 - EP US); **B25G 1/085** (2013.01 - EP)

Citation (search report)

See references of WO 2006040204A1

Cited by

CN114039160A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 102004049085 A1 20060413; CN 100548588 C 20091014; CN 101039777 A 20070919; DE 502005009104 D1 20100408; EP 1809444 A1 20070725; EP 1809444 B1 20100224; US 2008150481 A1 20080626; US 7455544 B2 20081125; WO 2006040204 A1 20060420

DOCDB simple family (application)

DE 102004049085 A 20041008; CN 200580034482 A 20050804; DE 502005009104 T 20050804; EP 05772047 A 20050804; EP 2005053830 W 20050804; US 56266805 A 20050804