

Title (en)

ADAPTER FOR AN EXCHANGEABLE RECHARGEABLE BATTERY PACK

Title (de)

ADAPTER FÜR EINEN WECHSELAKKUPACK

Title (fr)

ADAPTATEUR DESTINÉ À UN BLOC-BATTERIE RECHARGEABLE INTERCHANGEABLE

Publication

EP 4264765 A1 20231025 (DE)

Application

EP 21836148 A 20211213

Priority

- DE 102020216263 A 20201218
- EP 2021085409 W 20211213

Abstract (en)

[origin: WO2022128874A1] The invention relates to an adapter (38) for an exchangeable rechargeable battery pack (10) of an electric device (18) or for a charging device (16) which is suitable for charging the exchangeable rechargeable battery pack (10). In order to transmit energy, the adapter (38) has an electromechanical interface (40) with electric contacts (12), via which the adapter (38) can be releasably connected to an electromechanical interface (14, 20) of the exchangeable rechargeable battery pack (10) or of the charging device (16). According to the invention, the adapter (38) has a wireless interface (52) for transmitting energy provided by the exchangeable rechargeable battery pack (10) or by the charging device (16) to a wireless energy receiver (48).

IPC 8 full level

H02J 1/00 (2006.01); **B25F 5/00** (2006.01); **H02J 50/10** (2016.01)

CPC (source: EP US)

B25F 5/00 (2013.01 - EP); **H01R 31/065** (2013.01 - US); **H02J 1/00** (2013.01 - EP); **H02J 7/0045** (2013.01 - US); **H02J 50/10** (2016.02 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2022128874A1

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)

WO 2022128874 A1 20220623; CN 116615312 A 20230818; DE 102020216263 A1 20220623; EP 4264765 A1 20231025; US 2024022096 A1 20240118

DOCDB simple family (application)

EP 2021085409 W 20211213; CN 202180085414 A 20211213; DE 102020216263 A 20201218; EP 21836148 A 20211213; US 202118254712 A 20211213