

Title (en)

BATTERY PACK FOR A HAND-HELD POWER TOOL

Title (de)

AKKUPACK FÜR EINE HANDWERKZEUGMASCHINE

Title (fr)

BATTERIE POUR MACHINE-OUTIL PORTATIVE

Publication

EP 4186120 A1 20230531 (DE)

Application

EP 21742133 A 20210712

Priority

- EP 20187152 A 20200722
- EP 2021069337 W 20210712

Abstract (en)

[origin: WO2022017853A1] The invention relates to a battery pack for an electric hand-held power tool, wherein the battery pack has a housing with at least one pouch cell arranged therein, and a deformable pressure equalization element is arranged parallel to the pouch cell such that the pressure equalization element can give way to a volume increase of the pouch cell. The pressure equalization element is profiled such that a convection current can pass along the pouch cell despite the volume increase of the pouch cell.

IPC 8 full level

H01M 10/617 (2014.01); **H01M 50/10** (2021.01)

CPC (source: EP US)

H01M 10/052 (2013.01 - US); **H01M 10/617** (2015.04 - EP); **H01M 50/10** (2021.01 - EP); **H01M 50/211** (2021.01 - US); **H01M 50/242** (2021.01 - US); **H01M 2220/30** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (examination)

EP 2284929 A1 20110216 - SB LIMOTIVE CO LTD [KR]

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)

EP 3944402 A1 20220126; CN 115868066 A 20230328; EP 4186120 A1 20230531; US 2023275303 A1 20230831; WO 2022017853 A1 20220127

DOCDB simple family (application)

EP 20187152 A 20200722; CN 202180046491 A 20210712; EP 2021069337 W 20210712; EP 21742133 A 20210712; US 202118015842 A 20210712