Title (en)
BATTERY PACK AND PROCESS FOR THE MANUFACTURE OF A BATTERY PACK

Title (de)
BATTERIEPACK UND VERFAHREN ZUR HERSTELLUNG EINES BATTERIEPACKS

Title (fr)
BLOC-BATTERIE ET PROCÉDÉ DE FABRICATION D'UN BLOC-BATTERIE

Publication
EP 2474057 A4 20140917 (EN)

Application
EP 10813422 A 20100904

Priority
• DE 102009040128 A 20090904
• IB 2010053987 W 20100904

Abstract (en)
[origin: WO2011027328A2] It is provided an assembly having a plurality of elongated battery cells (6). Each of the battery cells (6) has a top section (61), a longitudinal side (62) and a bottom section (63). Either the positive pole or the negative pole of the battery cell (6) is provided on the top section and the other pole is provided on the bottom section of the battery cell (6). Moreover, the battery cells each have an opening (64) on the top section through which the battery cell is able to degas in the event of a fault. A first conductor (17) is provided to electrically connect the pole provided on the top section of at least one of the battery cells. A first electric mat (4) having an upper side and an underside also forms part of the assembly. The first mat (4) has holes (140) extending from the upper side through to the under side. The top section sections (61) of the battery cells are positioned on the upper side (41) of the first mat (4). A casting compound (17) fills the holes in the first mat and encompasses at least part of the longitudinal sides of the battery cells (6).

IPC 8 full level
H01M 6/42 (2006.01); H01M 50/213 (2021.01)

CPC (source: EP US)
H01M 50/213 (2021.01 - EP US); H01M 50/24 (2021.01 - EP); H01M 50/30 (2021.01 - EP); H01M 6/42 (2013.01 - EP)

Citation (search report)
• [Y] EP 1107336 A2 20010613 - SONY CORP [JP]
• [Y] WO 2008074034 A1 20080619 - JOHNSON CONTROLS SAFT ADVANCED [US], et al
• See references of WO 2011027328A2

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009040128 A1 20110310; DE 102009040128 B4 20140430; DE 202010017245 U1 20110609; EP 2474057 A2 20120711; EP 2474057 A4 20140917; WO 2011027328 A2 20110310; WO 2011027328 A3 20111117

DOCDB simple family (application)
DE 102009040128 A 20090904; DE 202010017245 U 20100904; EP 10813422 A 20100904; IB 2010053987 W 20100904