

Title (en)
ACCUMULATOR CELL

Title (de)
AKKUMULATORZELLE

Title (fr)
CELLULE D'ACCUMULATEUR

Publication
EP 2476150 A2 20120718 (DE)

Application
EP 10757702 A 20100909

Priority
• AT 14222009 A 20090910
• AT 2010000322 W 20100909

Abstract (en)
[origin: CA2773550A1] The invention relates to an insert (1) that can be inserted into a rechargeable battery part (2) of an electric power tool, in particular a hand-held tool comprising at least one handle for holding the tool. Said insert (1) comprises multiple battery cells (3) which are interconnected in an electrically conducting manner. According to the invention, the insert (1) has a housing (4) which can be opened and into which the battery cells (3) are inserted, wherein the battery cells (3) are interconnected in an electrically conducting manner by means of conductor webs (5) that are mounted inside the housing (4). The invention further relates to a battery cell (3) comprising a base (22) that has a salient pole (23) and edges (24), and an exterior insulation (25) that encloses the edges (24). A non-conducting element (26) is disposed on the pole, between the base (22) and the insulation (25), such that the pole (23) is recessed relative to a level (27) of the element (26) that is held in place by the insulation (5). Furthermore, a small electrically conducting plate (28) which is in planar contact with the pole and is wider than the pole is mounted on or within the element.

IPC 8 full level
H01M 50/179 (2021.01); **H01M 50/503** (2021.01); **H01M 50/51** (2021.01); **H01M 50/528** (2021.01); **H01M 50/559** (2021.01); **H01M 6/42** (2006.01)

CPC (source: EP US)
H01M 50/179 (2021.01 - EP US); **H01M 50/213** (2021.01 - EP US); **H01M 50/503** (2021.01 - EP US); **H01M 50/51** (2021.01 - EP US); **H01M 50/559** (2021.01 - EP US); **H01M 6/42** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP)

Citation (search report)
See references of WO 2011029112A2

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)
AT 508742 A1 20110315; **AT 508742 B1 20110715**; AU 2010292951 A1 20120412; BR 112012005420 A2 20190924;
CA 2773550 A1 20110317; CN 102598350 A 20120718; EP 2476150 A2 20120718; JP 2013504841 A 20130207; MX 2012002975 A 20120529;
US 2012251857 A1 20121004; WO 2011029112 A2 20110317; WO 2011029112 A3 20110512

DOCDB simple family (application)
AT 14222009 A 20090910; AT 2010000322 W 20100909; AU 2010292951 A 20100909; BR 112012005420 A 20100909;
CA 2773550 A 20100909; CN 201080051012 A 20100909; EP 10757702 A 20100909; JP 2012528187 A 20100909;
MX 2012002975 A 20100909; US 201013395318 A 20100909