

Title (en)

MODULAR CID ASSEMBLY FOR A LITHIUM ION BATTERY

Title (de)

MODULARE CID-ANORDNUNG FÜR LITHIUM-IONEN-AKKUMULATOR

Title (fr)

ENSEMBLE CID MODULAIRE POUR BATTERIE LITHIUM-ION

Publication

EP 2384519 A1 20111109 (EN)

Application

EP 10702959 A 20100128

Priority

- US 2010022327 W 20100128
- US 16658009 P 20090403
- US 20646109 P 20090130

Abstract (en)

[origin: WO2010088332A1] The CID (10) includes a pressure disc (14) that includes a frustum (28) having a first end (30) and a second end (32), a base (34) extending radially from a perimeter of the first end (30) of the frustum (28), and an essentially planar cap (36) sealing the second end (32) of the frustum (28). The first end (30) has a broader diameter than the second end (32), with a cross-section of at least one of the first and second end being non-circular.

IPC 8 full level

H01M 2/02 (2006.01); **H01M 2/12** (2006.01); **H01M 2/22** (2006.01); **H01M 10/052** (2010.01); **H01M 10/058** (2010.01); **H01M 10/42** (2006.01); **H01M 50/103** (2021.01); **H01M 50/528** (2021.01); **H01M 50/574** (2021.01)

CPC (source: EP US)

H01M 10/052 (2013.01 - EP); **H01M 10/058** (2013.01 - EP); **H01M 10/42** (2013.01 - EP); **H01M 50/103** (2021.01 - EP US); **H01M 50/528** (2021.01 - EP); **H01M 50/574** (2021.01 - EP US); **H01M 50/578** (2021.01 - EP); **H01M 50/3425** (2021.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)

See references of WO 2010088332A1

Citation (examination)

EP 1132983 A1 20010912 - SANYO ELECTRIC CO [JP]

Designated contracting state (EPC)

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)

WO 2010088332 A1 20100805; CN 102292843 A 20111221; EP 2384519 A1 20111109; JP 2012516545 A 20120719; TW 201032433 A 20100901; TW I499150 B 20150901

DOCDB simple family (application)

US 2010022327 W 20100128; CN 201080005071 A 20100128; EP 10702959 A 20100128; JP 2011548276 A 20100128; TW 99102387 A 20100128