

Title (en)

BUTTON CELL PROTECTED AGAINST SHORT-CIRCUIT

Title (de)

GEGEN KURZSCHLUSS GESICHERTE KNOPFZELLE

Title (fr)

PILE BOUTON PROTÉGÉE CONTRE LES COURTS-CIRCUITS

Publication

**EP 2550695 A1 20130130 (DE)**

Application

**EP 11708486 A 20110317**

Priority

- DE 102010012977 A 20100322
- EP 2011054028 W 20110317

Abstract (en)

[origin: WO2011117132A1] The invention relates to a button cell having a housing made of a cup part and a cover part, each having a floor region and a sheath region connecting thereto, wherein said sheath region extends to a first cut edge. A positive and a negative electrode are arranged in the housing, separated by a separator. The cup part and the cover part are separated from each other spatially and electrically by a film seal, wherein the film seal surrounds the outer face of the cover part in the sheath region in the manner of a collar and is turned over to the inside via the cut edge of the cover part. According to the invention, the film seal forms a closed hollow chamber together with the separator and the cover part, in which the negative electrode is arranged. The invention further relates to a method by which such button cells can be produced.

IPC 8 full level

**H01M 10/34** (2006.01); **H01M 50/186** (2021.01); **H01M 50/193** (2021.01)

CPC (source: EP US)

**H01M 50/109** (2021.01 - EP US); **H01M 50/171** (2021.01 - EP US); **H01M 50/186** (2021.01 - EP US); **H01M 50/193** (2021.01 - EP US); **H01M 10/345** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP); **Y10T 29/4911** (2015.01 - EP US)

Citation (search report)

See references of WO 2011117132A1

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

DOCDB simple family (publication)

**DE 102010012977 A1 20110922**; CN 103038913 A 20130410; EP 2550695 A1 20130130; US 2013196222 A1 20130801; WO 2011117132 A1 20110929

DOCDB simple family (application)

**DE 102010012977 A 20100322**; CN 201180025448 A 20110317; EP 11708486 A 20110317; EP 2011054028 W 20110317; US 201113635945 A 20110317