Title (en)

SMALL BATTERY CELL

Title (de)

KLEINE BATTERIEZELLE

Title (fr)

ELEMENT DE BATTERIE DE PETITE DIMENSION

Publication

EP 0769211 A4 20000216 (EN)

Application

EP 95926745 A 19950628

Priority

- US 27141694 A 19940706
- US 48407995 A 19950607
- US 9509093 W 19950628

Abstract (en)

[origin: WO9601504A1] A small battery cell (10) including a frangible pressure relief (42) and spring (36) disengagement device which vents various internal pressures to the atmosphere to prevent cell (10) bulging or explosion, and also which internally interrupts current flow through the cell (10) due to internal cell (10) over heat, excessive current flow or the like. Internal reconnection of cell members reoccurs subsequent to internal thermal or other internal abnormalities. Alternate embodiments illustrate an apparatus and method for vacuum assisted filling and an apparatus for vacuum sealing of the small battery cell (10).

IPC 1-7

H01M 6/10; H01M 10/04; H01M 2/34; H01M 2/12; H01M 2/36; H01M 2/26

IPC 8 full level

H01M 2/12 (2006.01); **H01M 2/34** (2006.01); **H01M 2/36** (2006.01); **H01M 10/04** (2006.01); H01M 50/574 (2021.01); H01M 50/609 (2021.01)

CPC (source: EP US)

H01M 10/0431 (2013.01 - EP US); **H01M 50/3425** (2021.01 - EP); H01M 50/574 (2021.01 - EP US); H01M 50/609 (2021.01 - EP US); Y02E 60/10 (2013.01 - EP); Y02P 70/50 (2015.11 - EP)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 118 (E - 316) 23 May 1985 (1985-05-23)
- See references of WO 9601504A1

Designated contracting state (EPC)

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