

Title (en)  
SEALED NICKEL-ZINC BATTERY.

Title (de)  
VERSIEGELTE NICKEL-ZINK-BATTERIE.

Title (fr)  
PILE ETANCHE AU NICKEL-ZINC.

Publication  
**EP 0114884 A4 19850228 (EN)**

Application  
**EP 83902660 A 19830721**

Priority  
• US 40238382 A 19820727  
• US 50968683 A 19830630

Abstract (en)  
[origin: WO8400642A1] A sealed, rechargeable nickel-zinc cell (10) includes a zinc electrode active mass (30) essentially free of zinc metal when at full discharge, a carboxylated styrene-butadiene binder retaining the zinc electrode mixture in a coherent structure, a predetermined amount of cadmium being included in the zinc electrode mixture, a separator (34) preferably comprising at least two layers (42) and (44) of material free of any adhesive binding the layers together and a wicking layer (36) positioned between the nickel positive electrode (32) and the separator.

IPC 1-7  
**H01M 10/52**

IPC 8 full level  
**H01M 2/14** (2006.01); **H01M 4/24** (2006.01); **H01M 4/42** (2006.01); **H01M 4/62** (2006.01); **H01M 10/34** (2006.01); **H01M 10/52** (2006.01); **H01M 50/491** (2021.01); **H01M 2/12** (2006.01); **H01M 4/36** (2006.01); **H01M 4/66** (2006.01); **H01M 4/72** (2006.01); **H01M 6/10** (2006.01)

CPC (source: EP US)  
**H01M 4/244** (2013.01 - EP); **H01M 4/364** (2013.01 - EP); **H01M 4/621** (2013.01 - EP); **H01M 4/622** (2013.01 - EP); **H01M 4/626** (2013.01 - EP); **H01M 10/34** (2013.01 - EP); **H01M 10/52** (2013.01 - EP); **H01M 50/491** (2021.01 - EP US); **H01M 4/661** (2013.01 - EP); **H01M 4/72** (2013.01 - EP); **H01M 6/10** (2013.01 - EP); **H01M 50/3425** (2021.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)  
• [X] GB 1474720 A 19770525 - MATSUSHITA ELECTRIC IND CO LTD  
• [A] US 2738375 A 19560313 - SCHLOTTER WILLIAM J

Designated contracting state (EPC)  
BE DE FR GB

DOCDB simple family (publication)  
**WO 8400642 A1 19840216**; AU 1887883 A 19840223; AU 549585 B2 19860130; CA 1209200 A 19860805; EP 0114884 A1 19840808; EP 0114884 A4 19850228; IN 162152 B 19880409; JP H0438106 B2 19920623; JP S59501521 A 19840823; MX 154785 A 19871211; PH 18838 A 19851010

DOCDB simple family (application)  
**US 8301132 W 19830721**; AU 1887883 A 19830721; CA 433359 A 19830727; EP 83902660 A 19830721; IN 1431CA1983 A 19831121; JP 50275783 A 19830721; MX 19817583 A 19830727; PH 29307 A 19830727