

Title (en)
CONTAINER FOR ELECTRICAL DEVICE UTILIZING A METAL AIR CELL

Title (de)
GEHÄUSE FÜR EINE ELEKTRISCHE VORRICHTUNG MIT EINER METALL-LUFT ZELLE

Title (fr)
CONTENANT POUR DISPOSITIF ELECTRIQUE UTILISANT UNE PILE METAL-AIR

Publication
EP 0978018 A1 20000209 (EN)

Application
EP 98920836 A 19980413

Priority
• US 9807328 W 19980413
• US 83413397 A 19970414

Abstract (en)
[origin: WO9847191A1] A water resistant case (6) for an electrical device such as an electric wristwatch movement powered by a standard high current zinc/air cell. A small aperture (11) in the case wall slows ingress and egress of water vapor to the case so as to increase cell life. The aperture also limits the rate of oxygen flow to the cell cathode rather than the air entry ports in the cell itself. A hydrophobic gas transmissive membrane (45) admits air and water vapor to the aperture without admitting liquid water.

IPC 1-7
G04B 37/08; **H01M 2/10**; **H01M 12/06**

IPC 8 full level
G04B 37/08 (2006.01); **H01M 2/10** (2006.01); **H01M 12/06** (2006.01)

CPC (source: EP KR)
G04B 37/081 (2013.01 - EP KR); **H01M 12/06** (2013.01 - EP KR); **H01M 50/147** (2021.01 - KR); **H01M 50/216** (2021.01 - EP KR); **H01M 50/24** (2021.01 - EP KR); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)
See references of WO 9847191A1

Designated contracting state (EPC)
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