

Title (en)  
ZN-AIR RECHARGEABLE BATTERY

Title (de)  
ZN-LUFT WIEDERAUFLADBARE BATTERIE

Title (fr)  
BATTERIE RECHARGEABLE AU ZN-AIR

Publication  
**EP 4169113 A2 20230426 (EN)**

Application  
**EP 21755043 A 20210621**

Priority  
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• HU 2021050041 W 20210621

Abstract (en)  
[origin: WO2021255487A2] The invention relates to a novel Zn-air rechargeable battery with charcoal/graphite cathode and dicarboxyl telechelic polyethylene glycol containing additive, e.g. PEG or POLOXAMER. The synthesized dicarboxyl telechelic PEGs were successfully applied to suppress the formation of dendritic and mossy deposits on the surface of the zinc electrode. The weight of the electrode did not change after the long-term test.

IPC 8 full level  
**H01M 12/02** (2006.01)

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**H01M 4/38** (2013.01); **H01M 4/96** (2013.01); **H01M 12/02** (2013.01); **H01M 12/08** (2013.01); **H01M 50/4295** (2021.01); **H01M 2300/0014** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)  
See references of WO 2021255487A2

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Designated extension state (EPC)  
BA ME

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KH MA MD TN

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