

Title (en)

NICKEL HYDROXIDE POSITIVE ELECTRODE FOR ALKALINE RECHARGEABLE BATTERY

Title (de)

NICKELHYDROXID-POSITIVELEKTRODE FÜR ALKALIAKKUMULATOR

Title (fr)

ÉLECTRODE POSITIVE À BASE D'HYDROXYDE DE NICKEL POUR PILE ALCALINE RECHARGEABLE

Publication

**EP 3254322 A4 20190220 (EN)**

Application

**EP 16747067 A 20160202**

Priority

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- US 2016016041 W 20160202

Abstract (en)

[origin: WO2016126622A1] A nickel hydroxide cathode active material for use in an alkaline rechargeable electrochemical cell, which active material is capable of transferring >1.67 electrons per Ni atom. A nickel hydroxide cathode active material for use in an alkaline rechargeable electrochemical cell, where the specific capacity of the material is  $\geq 330$  mAh/g. A nickel hydroxide cathode active material for use in an alkaline rechargeable electrochemical cell, where Ni reaches an oxidation state of less than +2 during charge/discharge cycling of an alkaline rechargeable cell.

IPC 8 full level

**H01M 4/32** (2006.01); **H01M 4/52** (2010.01); **H01M 4/62** (2006.01); **H01M 10/30** (2006.01); **H01M 10/34** (2006.01); **C01G 53/04** (2006.01)

CPC (source: EP)

**C01G 53/04** (2013.01); **C01G 53/82** (2025.01); **H01M 4/32** (2013.01); **H01M 4/52** (2013.01); **H01M 4/62** (2013.01); **H01M 10/345** (2013.01); **C01P 2002/50** (2013.01); **C01P 2002/52** (2013.01); **C01P 2004/32** (2013.01); **C01P 2004/61** (2013.01); **C01P 2006/11** (2013.01); **C01P 2006/12** (2013.01); **C01P 2006/14** (2013.01); **H01M 2004/021** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)

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- [XA] CAIYUN WANG: "Cathodic materials for nickel-metal hydride batteries", 1 January 2003 (2003-01-01), pages 1 - 176, XP055540769, Retrieved from the Internet <URL:http://ro.uow.edu.au/theses/192> [retrieved on 20190111]
- See also references of WO 2016126622A1

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DOCDB simple family (application)

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