

Title (en)

NONAQUEOUS ELECTROLYTE, NONAQUEOUS ELECTROLYTE ENERGY STORAGE DEVICE, AND METHOD FOR PRODUCING NONAQUEOUS ELECTROLYTE ENERGY STORAGE DEVICE

Title (de)

WASSERFREIER ELEKTROLYT, ENERGIESPEICHERVORRICHTUNG MIT WASSERFREIEM ELEKTROLYT UND VERFAHREN ZUR HERSTELLUNG EINER ENERGIESPEICHERVORRICHTUNG MIT WASSERFREIEM ELEKTROLYT

Title (fr)

ÉLECTROLYTE NON AQUEUX, DISPOSITIF DE STOCKAGE D'ÉNERGIE À ÉLECTROLYTE NON AQUEUX, ET PROCÉDÉ DE PRODUCTION D'UN DISPOSITIF DE STOCKAGE D'ÉNERGIE À ÉLECTROLYTE NON AQUEUX

Publication

**EP 3628103 A1 20200401 (EN)**

Application

**EP 18729884 A 20180517**

Priority

- JP 2017111822 A 20170606
- EP 2018062960 W 20180517

Abstract (en)

[origin: WO2018224286A1] Provided is a nonaqueous electrolyte capable of enhancing coulombic efficiency after charge-discharge cycles at a high voltage of a nonaqueous electrolyte energy storage device, a nonaqueous electrolyte energy storage device having high coulombic efficiency after charge- discharge cycles at a high voltage, and a method for producing such a nonaqueous electrolyte energy storage device. One embodiment of the present invention is a nonaqueous electrolyte for an energy storage device containing an aromatic compound having a silyl group or an amino group, and an acetylenediyl group. Another embodiment of the present invention is a nonaqueous electrolyte energy storage device including the nonaqueous electrolyte.

IPC 8 full level

**H01M 10/0525** (2010.01); **H01M 10/0567** (2010.01)

CPC (source: EP)

**H01M 10/0525** (2013.01); **H01M 10/0567** (2013.01); **Y02E 60/10** (2013.01); **Y02P 70/50** (2015.11)

Citation (search report)

See references of WO 2018224286A1

Cited by

CN111416154A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018224286 A1 20181213**; EP 3628103 A1 20200401; JP 2018206642 A 20181227

DOCDB simple family (application)

**EP 2018062960 W 20180517**; EP 18729884 A 20180517; JP 2017111822 A 20170606