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(71) Applicant: **Ningde Amperex Technology Limited**
**Ningde, Fujian 352100 (CN)**

(72) Inventors:
- **WANG, Kefei**
  **Ningde City, 352100 (CN)**
- **ZENG, Qiao**
  **Ningde City, 352100 (CN)**
- **XIAO, Liangzhen**
  **Ningde City, 352100 (CN)**
- **WU, Fei**
  **Ningde City, 352100 (CN)**

(74) Representative: **Klunker IP**
**Patentanwälte PartG mbB**
**Destouchesstraße 68**
**80796 München (DE)**

(54) **ELECTROLYTE AND ELECTROCHEMICAL DEVICE**

(57) The present application relates to an electrolyte and an electrochemical device comprising the electrolyte. The electrolyte comprises a dinitrile compound, a trinitrile compound, and propyl propionate, wherein, based on the total weight of the electrolyte, the content X of the nitrile compound and the content Y of the trinitrile compound meet the conditions represented by Formula (1) and Formula (2): {about

$$2\ wt\% \leq (X+Y) \leq about\ 11wt\% \ldots(1),$$

$$about\ 0.1 \leq (X/Y) \leq about\ 8 \ldots(2)$$

}. The electrolyte of the present application is capable of effectively inhibiting the increase in DC internal resistance of an electrochemical device so that the electrochemical device has excellent cycle and storage performance.

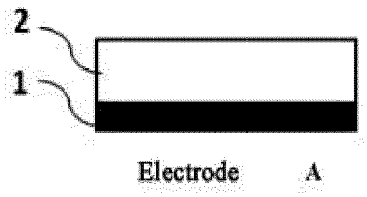


FIG. 2

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# EUROPEAN SEARCH REPORT

Application Number
EP 24 16 3045

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The present search report has been drawn up for all claims

| Place of search | Date of completion of the search | Examiner |
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| Munich | 10 July 2024 | Bettio, Andrea |

CATEGORY OF CITED DOCUMENTS

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L : document cited for other reasons

& : member of the same patent family, corresponding document

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