

Title (en)

DEVICES FOR RETAINING BODILY FLUIDS WITH PH CONTROL COMPONENTS

Title (de)

VORRICHTUNGEN ZUM HALTEN VON KÖRPERFLÜSSIGKEITEN MIT PH-STEUERUNGSKOMPONENTEN

Title (fr)

DISPOSITIFS POUR RETENIR DES FLUIDES CORPORELS AVEC DES COMPOSANTS DE COMMANDE DE PH

Publication

EP 4376619 A1 20240605 (EN)

Application

EP 22955151 A 20220807

Priority

- US 202263230508 P 20220806
- US 2022039659 W 20220807

Abstract (en)

[origin: WO2024035380A1] Devices used to absorb bodily fluids include, but are not limited to, diapers, incontinence devices, feminine hygiene products, or wound dressings, for example. Certain embodiments of these devices are produced from a top sheet, an absorbent core, and back sheet. Embodiments of the top sheet have a nonwoven polymeric sheet having both water insoluble and water soluble urease inhibiting compounds. The water insoluble and water soluble urease inhibiting compounds may be copper compounds. For example, the nonwoven polymeric top sheet have polymeric fibers and the polymeric fibers include a plurality of first particles of water insoluble copper compounds that release at least one of Cu⁺ ions and Cu⁺⁺ ions upon contact with a body fluid embedded in the polymeric fibers and water soluble copper compounds on the surface of the polymeric fibers. The devices also include water insoluble urease inhibiting compounds within the absorbent core.

IPC 8 full level

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CPC (source: EP)

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C-Set (source: EP)

1. **A01N 59/20 + A01N 25/10 + A01N 25/34**
2. **A61L 15/24 + C08L 23/06**
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Designated contracting state (EPC)

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Designated extension state (EPC)

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