

Title (en)

PRODUCT PACKAGE INCLUDING DEVICE FOR CONTROLLING HEADSPACE HUMIDITY

Title (de)

PRODUKTVERPACKUNG MIT VORRICHTUNG ZUR STEUERUNG DER FEUCHTIGKEIT IM KOPFRAUM

Title (fr)

EMBALLAGE DE PRODUIT COMPRENANT UN DISPOSITIF DE RÉGULATION DE L'HUMIDITÉ DE L'ESPACE DE TÊTE

Publication

EP 4197531 A1 20230621 (EN)

Application

EP 22209406 A 20171012

Priority

- US 201662407269 P 20161012
- EP 17798351 A 20171012
- US 2017056341 W 20171012

Abstract (en)

A product package comprises a box (170), and a two-way humidity control device (150) for controlling headspace relative humidity in the product package. The humidity control device contains a humidity control agent for controlling the relative humidity (RH) within a packaged consumer product, such as a food, pharmaceutical, herb, or any other suitable consumer product. The humidity control device is integrated with the product packaging. For example, a base layer of the humidity control device comprises an inner wall of the box. A permeable layer of the humidity control device comprises a material permeable to water vapor and impermeable to aqueous solutions; and the humidity control agent is arranged between the base layer and permeable layer. The permeable layer is coupled to the inner surface of the box by an adhesive.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- US 5936178 A 19990810 - SAARI ALBERT L [US], et al
- US 9750811 B2 20170905 - EGBERG DAVID C [US], et al
- US 6921026 B2 20050726 - SAARI ALBERT L [US], et al
- US 201514854159 A 20150915

Citation (search report)

- [X] WO 2006125834 A1 20061130 - PEDRO SANCHEZ JUAN LUIS [ES]
- [A] EP 0531075 A1 19930310 - IMP TOBACCO CO LTD [GB]
- [A] FR 1140952 A 19570822

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DOCDB simple family (publication)

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