

Title (en)

PRODUCT-PACKAGING AND -DISPENSING DEVICE COMPRISING A STERILE FILTER FLASK WHICH IS EQUIPPED WITH A NOZZLE

Title (de)

PRODUKTVERPACKUNGS- UND AUSGABEVORRICHTUNG MIT EINER STERILEN, MIT EINER DÜSE AUSGERÜSTETEN FILTERFLASCHE

Title (fr)

DISPOSITIF DE CONDITIONNEMENT ET DISTRIBUTION D'UN PRODUIT AVEC FLACON FILTRE STERILE MUNI D'UN EMBOUT.

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Application

EP 05786093 A 20050706

Priority

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- FR 0408031 A 20040720

Abstract (en)

[origin: WO2006018489A1] The invention relates to a device for packaging and dispensing a liquid, semi-fluid or suspended product, comprising a container (1) which houses the product (11) to be dispensed through a nozzle (3), as well as a unit for changing and filtering (9, 8) the air entering the container (1) following the dispensing of the product. According to the invention, the assembly formed by the container (1) and the nozzle (3) with which said container is equipped comprises at least: one flexible part (2) which, when actuated, causes the product to be discharged; and a first valve (4) which is associated with the nozzle (3) in order to enable the discharge of the product when the flexible part (2) is actuated, but without allowing the ingress of external air when said flexible part (2) is released. The air change and filtration unit (9, 8) is associated with a second valve which allows external air to enter the container (1) when the flexible part (2) is released, but without allowing the discharge of the product (11) or the air (33) housed in said container (1) when the flexible part (2) is actuated. The invention is suitable for the packaging and dispensing of sterile products, such as ophthalmology drops.

IPC 8 full level

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CPC (source: EP US)

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Cited by

FR3102465A1; WO2019243684A1; US8454828B2; WO2019215149A1; US11235914B2; US11820546B2; EP2130610B2

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