

Title (en)

POD INCLUDING LIGHT-SWITCHABLE MATERIAL FOR AN AEROSOL-GENERATING DEVICE, AND AEROSOL-GENERATING DEVICE COMPRISING THE SAME

Title (de)

BEHÄLTER MIT LICHTSCHALTBAREM MATERIAL FÜR EINE AEROSOLERZEUGUNGSVORRICHTUNG UND AEROSOLERZEUGUNGSVORRICHTUNG DAMIT

Title (fr)

CAPSULE COMPRENANT UN MATÉRIAU COMMUTABLE PAR LA LUMIÈRE POUR UN DISPOSITIF DE GÉNÉRATION D'AÉROSOL ET DISPOSITIF DE GÉNÉRATION D'AÉROSOL COMPRENANT CETTE CAPSULE

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Application

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Abstract (en)

[origin: EP4173506A1] The present invention relates to a pod (1) including a light-switchable layer (7) for an aerosol-generating device in which leakage of an aerosol-generating liquid material (e-liquid) during transit and storage is prevented. This is achieved by a pod (1) for an aerosol-generating device comprising a porous wick (2); a reservoir (3) including a discharge opening (4) for an aerosol-generating liquid material; and at least one light emitting source (6), wherein the porous wick (2) is coated with a light-switchable layer (7) on a surface thereof sealing the discharge opening (4) of the reservoir (3) so that the light-switchable layer (7) is arranged between the discharge opening (4) of the reservoir (3) and the porous wick (2), wherein the light-switchable layer (7) comprises an amphiphilic inorganic material being hydrophobic and impermeable for an aerosol-generating liquid material in the dark and becoming hydrophilic and permeable for an aerosol-generating liquid material when exposed to light, and wherein the at least one light emitting source (6) is configured to illuminate the light-switchable layer (7). Furthermore, the present invention also relates to an an aerosol-generating device comprising the pod (1).

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