

Title (en)
AEROSOL GENERATION DEVICE AND HEATING ASSEMBLY THEREOF

Title (de)
AEROSOLERZEUGUNGSVORRICHTUNG UND HEIZANORDNUNG DAFÜR

Title (fr)
DISPOSITIF DE GÉNÉRATION D'AÉROSOL ET SON ENSEMBLE DE CHAUFFAGE

Publication
EP 4295713 A1 20231227 (EN)

Application
EP 23178346 A 20230609

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CN 202210696658 A 20220620

Abstract (en)
The present invention relates to an aerosol generation device and a heating assembly thereof. The heating assembly forms, in the interior thereof, a heating chamber into which an aerosol generating substance is receivable. The heating chamber has a cross-sectional contour that includes at least one concave segment toward the center of the cross-sectional contour. The at least one concave segment is configured to compress the aerosol generating substance. When being inserted into the heating assembly, the aerosol generating substance is compressed by the chamber wall surface of the concave segment, so that air contained in the aerosol generating substance is squeezed out, heat transfer rate increased, and also, a heat transfer distance from the outside surface of the aerosol generating substance to the center thereof is reduced so as to improve issues of a temperature difference between the surface and the center of the aerosol generating substance being greater, the heat transfer efficiency being low, and the pre-heating time being long.

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• [X] WO 2020074597 A1 20200416 - JT INT SA [CH]
• [A] WO 2021171459 A1 20210902 - JAPAN TOBACCO INC [JP]

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