

Title (en)
AEROSOL-GENERATING DEVICE

Title (de)
AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE GÉNÉRATION D'AÉROSOL

Publication
EP 4183278 A1 20230524 (EN)

Application
EP 21940007 A 20210930

Priority
CN 2021122354 W 20210930

Abstract (en)

The application provides an aerosol generation device which belongs to a field of electronic atomization technology. The aerosol generation device includes: a housing, the housing being formed with a resonance chamber; a mounting section, which is arranged in the housing, located in a first end of the resonance chamber and configured to receive therein an aerosol generating base material; a microwave assembly, which is connected to the housing and configured to emit a microwave into the resonance chamber to heat the aerosol generating base material to generate an aerosol; and an optical-fiber temperature detection member, which is arranged in the resonance chamber and configured to detect a temperature of the aerosol generating base material, at least a portion of the optical-fiber temperature detection member extending through the mounting section. By arranging the optical-fiber temperature detection member to detect the temperature of the aerosol generating base material, the accurate temperature of the aerosol generating base material can be feedback at a very fast speed without being affected by the microwave field inside the resonance chamber, so that, on the one hand, generation of undesired substance due to an improper temperature can be prevented, and, on the other hand, the atomization efficiency is heightened and wastage of the base material is reduced to effectively improve the experience of use of the aerosol generation device, such as an electronic cigarette.

IPC 8 full level
A24F 40/46 (2020.01); **A24F 40/50** (2020.01)

CPC (source: EP KR)
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