

Title (en)

ATOMIZER HAVING AIR PRESSURE SURGE BIN AND APPLICATION THEREOF

Title (de)

ZERSTÄUBER MIT LUFTDRUCKNACHBEHÄLTER UND ANWENDUNG DAVON

Title (fr)

ATOMISEUR AYANT UN RÉSERVOIR INTERMÉDIAIRE À PRESSION D'AIR ET SON APPLICATION

Publication

EP 3954232 A1 20220216 (EN)

Application

EP 20913433 A 20200804

Priority

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- CN 2020106675 W 20200804

Abstract (en)

An atomizer having an air pressure surge bin and an application thereof. The atomizer includes a supporting housing (10); an atomization chamber (201) which is a hollow chamber with walls, and an air pressure surge bin (202) communicated with a bottom of the atomization chamber (201) is arranged below the atomization chamber (201); a smoke channel (30), with an inlet end communicated with the atomization chamber (201) and an outlet end configured for smoking; an air inlet channel (40) located below the atomization chamber (201), with an air inlet (401) configured for introducing external air and an air outlet (402) communicated with the atomization chamber (201); an e-liquid bin (50), where the e-liquid bin (50) is enclosed by an outer wall of the smoke channel (30), an outer wall of the atomization chamber (201), and an inner wall of the supporting housing (10); an e-liquid guiding member (60) arranged inside the atomization chamber (201) and communicated with the e-liquid bin (50), where the e-liquid guiding member (60) is connected to a heating component (70) for heating and atomizing e-liquid in the e-liquid guiding member (60). The atomizer prevents the supporting housing (10) from scalding hands to bring poor experience to a user, and meanwhile, the atomizer can prevent the e-liquid from leaking out, thereby improving the working effect of the atomizer and prolonging the service life of the atomizer.

IPC 8 full level

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CPC (source: EP US)

A24F 40/10 (2020.01 - US); **A24F 40/42** (2020.01 - US); **A24F 40/46** (2020.01 - US); **A24F 40/485** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP)

Designated contracting state (EPC)

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