



US 20240179805A1

(19) **United States**

(12) **Patent Application Publication**
BATISTA et al.

(10) **Pub. No.: US 2024/0179805 A1**

(43) **Pub. Date: May 30, 2024**

(54) **AEROSOL GENERATING DEVICE WITH
VISUAL FEEDBACK DEVICE**

A24F 40/20 (2006.01)

A24F 40/46 (2006.01)

A24F 40/50 (2006.01)

A24F 40/60 (2006.01)

A24F 40/65 (2006.01)

(71) Applicant: **Altria Client Services LLC**,
Richmond, VA (US)

(72) Inventors: **Rui Nuno BATISTA**, Morges (CH);
Stephane Antony HEDARCHET,
Pully (CH)

(52) **U.S. Cl.**

CPC *H05B 1/0227* (2013.01); *A24D 1/20*

(2020.01); *A24F 40/50* (2020.01); *A24F 40/60*

(2020.01); *A24F 40/65* (2020.01); *A24F 40/20*

(2020.01); *A24F 40/46* (2020.01)

(73) Assignee: **Altria Client Services LLC**,
Richmond, VA (US)

(21) Appl. No.: **18/394,906**

(22) Filed: **Dec. 22, 2023**

(57)

ABSTRACT

Related U.S. Application Data

(63) Continuation of application No. 17/060,877, filed on Oct. 1, 2020, now Pat. No. 11,856,654, which is a continuation of application No. 15/496,808, filed on Apr. 25, 2017, now Pat. No. 10,849,360, which is a continuation of application No. PCT/EP2017/058462, filed on Apr. 7, 2017.

Foreign Application Priority Data

Apr. 29, 2016 (EP) 16167811.5

Publication Classification

(51) **Int. Cl.**

H05B 1/02 (2006.01)

A24D 1/20 (2006.01)

An aerosol-generating device may comprise an electrical power supply, a housing defining a cavity for receiving an aerosol-generating article, at least one electrical heater within the cavity, and/or a controller configured to control a supply of electrical power from the electrical power supply to the at least one electrical heater. The controller is configured to activate the at least one electrical heater for a total time period when an aerosol-generating article is received within the cavity. The aerosol-generating device may also comprise a segmented visual feedback device, wherein a plurality of segments of the segmented visual feedback device each correspond to a portion of the total time period. Each of the plurality of segments is configured to provide visual feedback when an aerosol-generating article is received within the cavity and when the corresponding portion of the total time period has elapsed.

