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Rossoll et al.(10) **Pub. No.: US 2022/0353958 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **HEATING COMPONENT IN AEROSOL
GENERATING DEVICES***A24F 40/57* (2006.01)*A24F 40/53* (2006.01)(71) Applicant: **PHILIP MORRIS PRODUCTS S.A.**,
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ABSTRACT(21) Appl. No.: **17/867,459**(22) Filed: **Jul. 18, 2022****Related U.S. Application Data**(63) Continuation of application No. 16/611,412, filed on
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An electronic aerosol-generating device includes a housing extending between first and second ends along a longitudinal axis. The second end of the housing defines a cavity for receiving a consumable containing an aerosol generating substrate. The device further includes a heating component comprising a heating element extending along the longitudinal axis within the cavity and configured to penetrate into the aerosol generating substrate when the consumable is inserted into the cavity. The heating element comprises a material having a Curie temperature of less than 500° C. The device also includes an inductor comprising an inductor coil positioned to transfer magnetic energy to the heating element. The inductor is configured to induce eddy currents and/or hysteresis losses in the heating element. The device further includes a power supply operably connected to the inductor and control electronics operably connected to the power supply and configured to control heating of the heating element.

