

Title (en)
AEROSOL GENERATOR

Title (de)
AEROSOLGENERATOR

Title (fr)
GÉNÉRATEUR D'AÉROSOL

Publication
EP 2637801 A1 20130918 (EN)

Application
EP 11775976 A 20111027

Priority
• GB 201018796 A 20101108
• EP 2011068908 W 20111027

Abstract (en)
[origin: WO2012062600A1] A generally cylindrical aerosol generator which can be used as a substitute for a conventional cigarette has a longitudinal extending horn member (8) that carries a piezoelectric actuator (9) mounted within a main housing (4) and a mouthpiece housing (5). A cartridge (7) contains an aerosolizable liquid (28) in a chamber having an inner chamber wall (13) extending longitudinally between the proximal and distal ends (15, 16) of the cartridge, defining a receptacle to receive the horn member (8) from the distal end, a longitudinally extending outer chamber wall (17) surrounding the inner wall, a proximal inner end wall (18) bridging the inner chamber wall at the proximal end, and a proximal outer end wall (19) longitudinally spaced from the inner wall to define a discharge region (20). A nozzle (23) discharges liquid from the discharge region through the outer end wall as an aerosol (39). A capillary driver wall (24) is disposed between the inner and outer chamber walls, spaced from the inner wall to define a longitudinally extending capillary passageway (25) sufficiently narrow to drive liquid within the chamber by capillary action along the gap to the discharge region, where it is aerosolised by the vibratory action of the piezo device that is transmitted along the horn (8) to the discharge region (20).

IPC 8 full level
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See references of WO 2012062600A1

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