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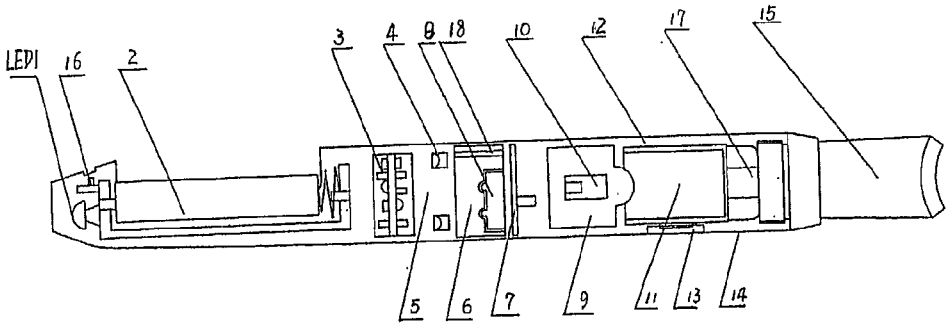
(54) Title: AN AEROSOL ELECTRONIC CIGARETTE

(54) 发明名称: 雾化电子烟



(57) **Abstract:** This invention relates to an aerosol electronic cigarette just containing nicotine without tar, which includes a shell and a suction nozzle. On the exterior wall of the shell, there is an air orifice, while there are an electronic circuit board, a constant pressure cavity, a sensor, a gasliquid separator, an atomizer, and a supplying bottle orderly located in the interior of the shell, wherein the electronic circuit board consists of an electronic switching circuit and a high-frequency generator. At one side of the sensor there is an air duct. A negative pressure cavity is located in the sensor. The atomizer connects with the supplying bottle, and there is an atomizing cavity located in the atomizer. An antiextrusion ring used to fix the supplying bottle is located between the shell and one side of the supplying bottle. At the other side of the supplying bottle there is a mirage duct. The air orifice, the constant pressure, the sensor, the gasliquid separator, the atomizer, and the mirage duct connect orderly and throughout. Without tar, this invention reduces the risk of suffering cancer, meets the requirement of the smoker, need no ignition, and has no endanger of fire.

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(57) 摘要

本发明涉及一种不含有焦油、只含烟碱（尼古丁）的雾化电子烟，包括壳体及吸嘴，壳体的外壁上开有进气孔，壳体内依次设有电子线路板、常压腔、传感器、气液分离器、雾化器、供液瓶；其中电子线路板由电子开关电路及高频发生器组成；在传感器的一侧开有传感器气流通道，传感器内设有负压腔；雾化器与供液瓶相接触，在雾化器的内部设有雾化腔；供液瓶的一侧与壳体之间设有锁定供液瓶的挡圈，供液瓶的另一侧开有雾汽通道；进气孔、常压腔、传感器、气液分离器、雾化器、雾汽通道、导气孔、吸嘴依次相连通。本发明无焦油，大大降低致癌风险，使用者仍有吸烟的感觉和兴奋，无需点燃，无火灾危害。