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Date: January 26, 2017

To whom it may concern:

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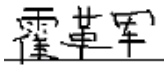

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This is to certify that the attached translation is, to the best of my knowledge and belief, a true and accurate translation from Chinese into English of the patent that is entitled: An Aerosol Electronic Cigarette

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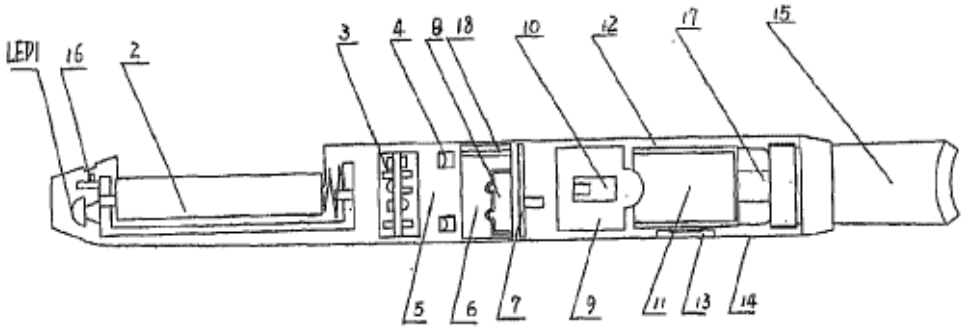
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title： AN AEROSOL ELECTRONIC CIGARETTE



(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 gas-liquid 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 gas-liquid 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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The present invention relates to an electronic cigarette, in particular to an electronic atomization cigarette that contains only nicotine without tar.

Background Art

Despite it is commonly known that "smoking is harmful to your health", the number of smokers worldwide is up to 1 billion, and the number is increasing every year, On March 1, 2003, the World Health Organization (WHO) concluded a global Framework Convention on Tobacco Control. According to the statistical data from WHO, about 4.9 million people die of diseases caused by smoking each year. Although smoking may cause serious respiratory diseases and cancer, it remains extremely difficult for smokers to quit smoking completely.

The active ingredient in a cigarette is nicotine. During smoking, nicotine, along with a lot of tar aerosol droplets produced in the cigarette burning, enters smoker's alveolus and is rapidly absorbed. After being absorbed into the blood of a smoker, nicotine then produces its effect on the receptors of the smoker's central nervous system, which makes him/her relax and enjoy an inebriety similar to that produced by an exhilarant.

Nicotine is a kind of alkaloid with low molecular weight, a small dose of nicotine is essentially harmless to human body and its half-life in blood is quite short. Actually the major harmful substance in tobacco is tar, tar in tobacco is composed of thousands of ingredients, tens of which are carcinogenic substances. At present it has been proven that passive smoking can be more harmful on non-smokers.

Some cigarette substitutes that contain only nicotine without tar have been proposed, many of them, such as "nicotine patch", "nicotine mouthwash", "spray agent packaged in high pressure gas tank with propellant", "nicotine chewing gum", "nicotine drink" etc., are made of pure nicotine. Although these cigarette substitutes are free from tar, their major disadvantage is that an effective peak concentration can not be reached in the blood of a smoker due to slow absorption of nicotine and thus it can not make a smoker get real fun, in addition, these cigarette substitutes can not satisfy habitual smoking actions of a smoker, for example, inhaling action or sucking action, and thus are not likely to be widely accepted as effective substitutes for quitting smoking or cigarette substitutes.

The Summary of the Invention

To overcome the above-mentioned drawbacks, an objective of the present invention is to provide an electronic atomization cigarette that functions as substitutes for quitting smoking and cigarette substitutes.

The objective of the present invention is achieved by the following technical solution.

The present invention includes a shell; a mouthpiece; an air inlet provided in the external wall of the shell; an electronic circuit board, a normal pressure cavity, a sensor, a vapor-liquid separator, an atomizer, a liquid-supplying bottle arranged sequentially within the shell; a stream passage provided on one side of the sensor; a negative pressure cavity provided in the sensor; an atomization cavity arranged in the atomizer; a retaining ring for locking the liquid-supplying bottle provided between one side of the liquid-supplying bottle and the shell; and an aerosol passage provided on the other side of the liquid-supplying bottle, wherein the electronic circuit board comprises an electronic switching circuit and a high frequency generator; the liquid-supplying bottle is in contact with the atomizer; and the air inlet, normal pressure cavity, vapor-liquid separator, atomizer, aerosol passage, gas vent and mouthpiece are sequentially interconnected. A LED and a cell are provided at the front end within the shell, collectively constituting an integrity like a cigarette holder, cigar or a pipe.

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