

PATENT Family 4B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: LIK HON  
APPLICATION No.: 12/226,819  
FILED: JANUARY 15, 2009  
FOR: EMULATION AEROSOL SUCKER

EXAMINER: DIONNE WALLS  
MAYES  
ART UNIT: 1747  
CONF. No: 4464

AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the non-final Office Action dated 08/07/2012, please amend the application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 7 of this paper.

[Continued on Next Page.]

Certificate of Electronic Filing

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being electronically filed with the U.S. Patent and Trademark Office on the date entered below.

August 29, 2012  
Date of Electronic Submission

Debbie Gilbert  
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**Amendments to the Claims:**

1-85. (Cancelled)

86. (Currently Amended) An electronic cigarette or cigar comprising:

a battery assembly comprising a battery assembly housing having a first end and a second end, with a battery, a micro-controller unit (MCU) and a sensor electrically connected to a circuit board within the battery assembly housing;

a primary screwthread electrode located on the first end of the battery assembly housing and having a hole through its center, ~~with the primary screwthread electrode electrically connected to the circuit board;~~

an atomizer assembly comprising:

an atomizer assembly housing having a first end and a second end;

an atomizer, and a solution storage area in the atomizer assembly housing;

a secondary screwthread electrode located on the second end of the atomizer assembly housing and having a hole through its center, the battery assembly and the atomizer assembly connected through the primary and secondary screwthread electrodes; and

with the atomizer including a heater coil wound around a porous component.

87. (Currently Amended) The electronic cigarette or cigar of claim 86, with the solution storage area in ~~[[a]]~~ the solution assembly having a first end and a second end, and the ~~[[first]]~~ second end of the solution assembly is inserted into the first end of the atomizer assembly housing.

88. (Previously Presented) The electronic cigarette or cigar of claim 86, wherein the primary screwthread electrode is an external screwthread electrode and the secondary screwthread electrode is an internal screwthread electrode.

89. (Previously Presented) The electronic cigarette or cigar of claim 86, wherein the battery assembly further comprises a membrane located between the primary screwthread electrode and the sensor.

90-92. (Cancelled)

93. (Previously Presented) The electronic cigarette or cigar of claim 86, further comprising a screen located on a surface of the battery assembly housing.

94. (Previously Presented) The electronic cigarette or cigar of claim 86, wherein the sensor comprises a switch sensor, a Hall element, a semiconductor force-sensitive chip, a semiconductor matrix thermoelectric bridge chip, a capacitance sensor or an inductance sensor.

95-97. (Cancelled)

98. (Previously Presented) The electronic cigarette or cigar of claim 86, wherein the atomizer assembly has an air intake hole at the secondary screwthread electrode.

99-106. (Cancelled)

107. (Currently Amended) An electronic cigarette or cigar comprising:  
a battery assembly housing having a first end and a second end;  
a battery connected to a circuit board within the battery assembly housing;  
a primary screwthread electrode located on the first end of the battery assembly housing;

an atomizer assembly comprising;

an atomizer assembly housing having a first end and a second end;

a secondary screwthread electrode located on the second end of the atomizer assembly housing with the battery assembly and the atomizer assembly connected through the primary and secondary screwthread electrodes;

an atomizer in the atomizer assembly housing, with atomizer including a heater coil wound around a porous component; and

a solution assembly, which comprises, a suction nozzle at a first end of the solution assembly, and a solution storage area with a liquid containing fiber material in the solution storage area.

108. (Currently Amended) The electronic cigarette or cigar of claim 107, wherein the ~~[[first]]~~ second end of the solution assembly is inserted into the first end of the atomizer assembly, thus forming a cigarette or cigar body.

109-111. (Cancelled)

112. (Previously Presented) The electronic cigarette or cigar of claim 107, wherein the circuit board is a Metallic Oxide Semiconductor Field Effect Transistor (MOSFET) circuit board.

113. (Previously Presented) The electronic cigarette or cigar of claim 107, wherein the primary screwthread electrode is an external screwthread electrode and the secondary screwthread electrode is an internal screwthread electrode.

114. (Previously Presented) The electronic cigarette or cigar of claim 107, wherein the battery assembly further comprises a membrane located between the primary screwthread electrode and the sensor.

115. (Cancelled)

116. (Previously Presented) The electronic cigarette or cigar of claim 107, wherein the battery assembly further comprises a micro controller unit (MCU) electrically connected to the circuit board.

117-124. (Cancelled)

125. (Previously Presented) The electronic cigarette or cigar of claim 107, wherein the atomizer assembly has an air intake hole.

126. (Previously Presented) The electronic cigarette or cigar of claim 125, wherein the air intake hole is at the secondary screwthread.

127-130. (Cancelled)

131. (Currently Amended) The electronic emulation cigarette or cigar of claim ~~[[129,]]~~ 107 wherein the coil comprises nickel-chromium alloy wire, iron-chromium alloy wire, platinum wire or another electrothermal material.

132. (Currently Amended) The electronic emulation cigarette or cigar of claim ~~[[129,]]~~ 107 wherein the heating element comprises a plurality of zeolite grains.

133. (Currently Amended) The electronic emulation cigarette or cigar of claim 107, wherein the primary screwthread electrode connects to a charger.

134. (Currently Amended) The electronic cigarette or cigar of claim 107 with at least one of the primary and the secondary screwthread electrodes having a hole through its center.

135. (New) The electronic cigarette or cigar of claim 86 further comprising a fiber material within the solution storage area.

136. (New) The electronic cigarette or cigar of claim 86 with the porous component that the heater coil is wound around comprising a fiber material.

137. (New) The electronic cigarette or cigar of claim 107 with the porous component that the heater coil is wound around comprising a fiber material.

138. (New) An electronic cigarette comprising:

- a battery assembly including a battery assembly housing having a front end and a back end, with a battery, a micro-controller unit (MCU) and a sensor electrically connected to a circuit board within the battery assembly housing;

- a first screwthread electrode located on the back end of the battery assembly housing;

- an atomizer assembly comprising:

- an atomizer assembly housing having a front end and a back end;

- an atomizer, and a solution storage area in the atomizer assembly housing;

- a second screwthread electrode located on the front end of the atomizer assembly housing, the battery assembly and the atomizer assembly connected through the first and second screwthread electrodes; and

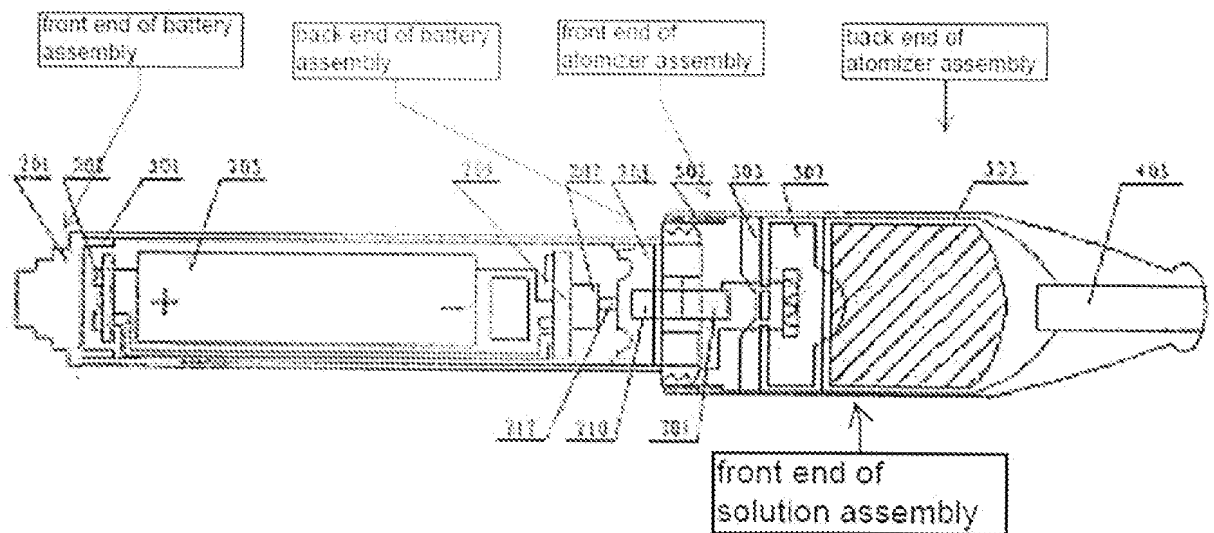
- with the atomizer including a heater coil wound around a porous component.

139. (New) The electronic cigarette of claim 138 with the solution storage area within a solution assembly, and with a front end of the solution assembly inserted into the back end of the atomizer assembly.

# REMARKS

In view of the indication of allowance of claims 103 and 130 at page 8 of the 08/07/2012 Office Action, these claims have been cancelled and rewritten into independent form as amended claims 86 and 107. The claims are also amended responsive to section 112 rejections at pages 2-3 of the Office Action.

Responsive to paragraph 3 of the Office Action, new claim 138 has been added and is the same as amended claim 86 except that first end/second end are replaced with front end/back end, and the center holes deleted. New claims 138-139 designate the front and back ends as shown in marked up Fig. 5A below.



Claims 1-85 have been cancelled. New dependent claims 135-137 are supported at 0032 and 0034.

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The application is now believed to be in condition for allowance and a Notice of Allowance is requested.

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Respectfully submitted,

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