

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: LI HAN  
APPLICATION NO.: 13/079,937  
FILED: APRIL 5, 2011  
FOR: **AEROSOL ELECTRONIC CIGARETTE**

EXAMINER: DIONNE WALLS  
MAYES  
ART UNIT: 1747  
CONF. NO: 1784

**AMENDMENT**

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

In response to the Office Action dated 07/19/2012, please amend the above-identified 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 4 of this paper.

[Continued on Next Page.]

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76320-8002.US01/LEGAL24335806.1

**R.J. Reynolds Vapor**

Amendment to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

1-29. (Canceled)

30. (Currently Amended) An aerosol electronic cigarette, comprising:

a battery assembly, an atomizer assembly and a cigarette bottle assembly, and  
[[features]] a shell that is hollow and integrally formed [[:]];

the [[said]] battery assembly electrically connected [[connects]] with the [[said]] atomizer assembly, and both are located in the [[said]] shell;

the [[said]] cigarette bottle assembly is detachably located in one end of the shell, and fits with the [[said]] atomizer assembly inside it;

the [[said]] shell has through-air-inlets;

the atomizer assembly is an atomizer, which includes a porous component and a heating body;

the [[said]] heating body is heating wire;

the [[said]] atomizer includes a frame;

the [[said]] porous component is supported by the ~~set on the said~~ frame;

the heating wire is wound on the [[said]] porous component;

the [[said]] frame has a run-through hole [[on it]];

~~the said porous component is wound with a heating wire wound in the on the side in the axial direction of~~ on a part of the porous component that is substantially aligned with the run-through hole; and with the porous component also positioned

substantially within the ~~one end of the said porous component fits in with the said~~  
cigarette bottle assembly.

31. (New) An electronic cigarette, comprising:

a battery assembly and an atomizer assembly within a housing with the battery assembly electrically connected to the atomizer assembly;

a liquid storage component in the housing;

with the housing having one or more through-air-inlets;

the atomizer assembly including a porous component supported by a frame having a run-through hole;

a heating wire wound on a part of the porous component in the path of air flowing through the run-through hole; and

the porous component substantially surrounded by the liquid storage component.

32. (New) An electronic cigarette, comprising:

a battery assembly and an atomizer assembly within a housing with the battery assembly electrically connected to the atomizer assembly;

with the housing having one or more through-air-inlets and an outlet;

the atomizer assembly includes a frame having a run through hole, and a porous component between the frame and the outlet;

a heating wire wound on a part of the porous component which is substantially aligned with the run-through hole; and

with the porous component in contact with a liquid supply in the housing.

## REMARKS

Claim 30 has been amended to overcome the section 112 rejection at paragraph 3 of the Office Action. Lines 16-17 of original claim 30 are directed to Fig. 18, as shown below.

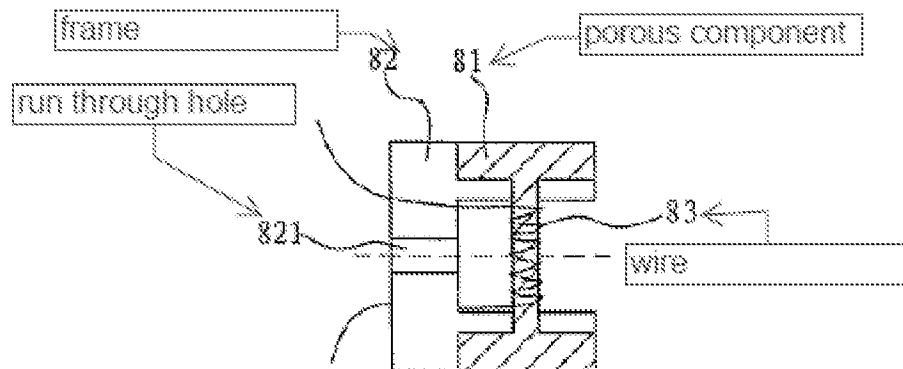


FIG. 18

Claim 30 is accordingly amended to replace "...porous component is wound with heating wire in the on the side in the axial direction of the run-through hole" with "the heating wire is wound on a part of the porous component that is substantially aligned with the run-through hole".

New claim 31 is similar to claim 30 and includes the elements of claim 30, but written with more common English usage. New claim 32 is similar to claims 30 and 31 but describes a heating wire wound on a part of the porous component substantially aligned with the run-through hole, as shown in Fig. 18 above; and with the porous component in contact with a liquid supply in the housing, rather than the removable bottle assembly of claim 30.

New claims 31 and 32 are believed to be allowable for the same reason that claim 30 is indicated to be allowable at paragraph 4 of the Office Action.

In view of the changes to the claims, the Application is in condition for allowance, and a Notice of Allowance is requested.

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Respectfully submitted,

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