

# EXHIBIT 13

**IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF VIRGINIA  
ALEXANDRIA DIVISION**

RAI STRATEGIC HOLDINGS, INC. AND R.J.  
REYNOLDS VAPOR COMPANY

Plaintiffs and  
Counterclaim Defendants,

v.

ALTRIA CLIENT SERVICES LLC; PHILIP  
MORRIS USA INC.; AND PHILIP MORRIS  
PRODUCTS S.A.

Defendants and  
Counterclaim Plaintiffs.

Case No. 1:20-cv-00393-LO-TCB


**DECLARATION OF LOI YING LIU**

I, Loi Ying Liu, declare as follows:

1. I am currently employed by Binary Semiconductor Company Limited.
2. I was previously employed by Minilogic Device Corp., Ltd. from 2003 to 2019.
3. I am the sole named inventor of U.S. Patent No. 10,420,374, entitled “Electronic Smoke Apparatus,” which was filed on July 7, 2015, and issued on September 24, 2019.
4. I have reviewed Chinese Utility Model Patent CN 201482667, attached hereto as Exhibit 1. I confirm that I am the sole inventor of CN 201482667 and my name appears on the face of the patent as the inventor with the characters 廖来英.
5. I have reviewed RJREDVA\_001626584-1626598, which I understand is a translation of CN 201482667 prepared by the Counterclaim Defendants in the above-captioned case. The translation identifies the inventor as “Liao Laiying.” This appears to be based on a Mandarin romanization of my name. Had the translation been done with a Cantonese romanization, the name would be “Loi Ying Liu.” Either way, I am that individual.

I declare under the penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Executed on May 20, 2021 in Hong Kong.

  
\_\_\_\_\_  
Loi Ying Liu

# EXHIBIT 1



# (12) 实用新型专利

(10) 授权公告号 CN 201482667 U

(45) 授权公告日 2010. 05. 26

(21) 申请号 200920151031. 1

(22) 申请日 2009. 04. 28

(73) 专利权人 微创高科有限公司

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代理人 李文

(51) Int. Cl.

B05B 17/00 (2006. 01)

B05B 15/00 (2006. 01)

A24B 15/00 (2006. 01)

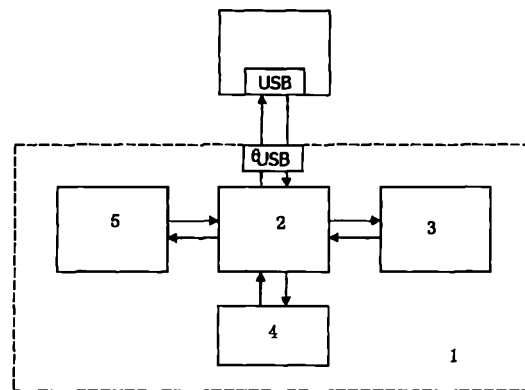
权利要求书 1 页 说明书 3 页 附图 2 页

(54) 实用新型名称

电子雾化器

(57) 摘要

一种电子雾化器,涉及电池驱动发热装置。其包括壳体、设置在壳体内部的电池,所述壳体内设有处理芯片、发热装置和感应装置,处理芯片分别与电池、发热装置和感应装置电连接;处理芯片内设有气流感应开关电路、发热驱动电路、充电模式检测电路、电池充电及保护电路和发光二极管驱动电路,发热驱动电路的输出脚与发热装置连接,发光二极管驱动电路的输出脚与发光二极管连接,气流感应开关电路的输入脚与感应装置连接,充电模式检测电路和电池充电及保护电路的一端与电池连接,另一端与电源输入端连接。本实用新型以气流感应方式来感应使用者抽烟的动作,可以大幅度提高开关装置的寿命,增加敏感度,去除错误触发和降低组装成本。



CN 201482667 U

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