

# United States Patent [19]

Counts et al.

[54]

5,954,979 **Date of Patent:** Sep. 21, 1999 [45]

## **SMOKING SYSTEM** [75] Inventors: Mary Ellen Counts; William J. Crowe, both of Richmond; John L. Felter, Chester; Grier S. Fleischhauer, Midlothian; Mohammad R. Hajaligol, Richmond; Patrick H. Hayes, Chester; Willie G. Houck; H. Neal Nunnally, both of Richmond, all of Va. [73] Assignee: Philip Morris Incorporated, New York, N.Y. [21] Appl. No.: **08/951,225** [22] Filed: Oct. 16, 1997 [51] Int. Cl.<sup>6</sup> ...... F23Q 7/00 [52] **U.S. Cl.** ...... **219/260**; 219/535; 219/539; 338/310; 131/194; 131/329

219/535, 537, 539; 338/310; 392/485, 488,

489, 492, 493; 128/202.21, 203.27; 131/94,

HEATER FIXTURE OF AN ELECTRICAL

#### [56] **References Cited**

**Patent Number:** 

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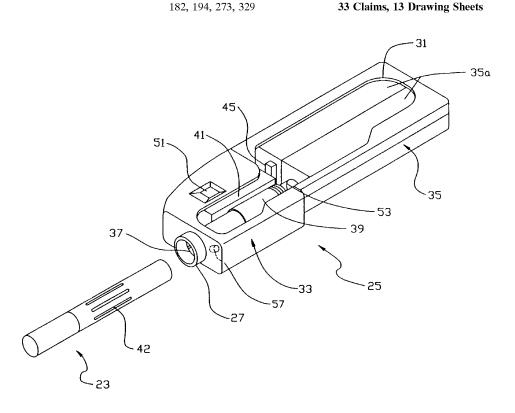
Primary Examiner—Teresa Walberg Assistant Examiner-Vinod D. Patel Attorney, Agent, or Firm-Charles E.B. Glenn; Kevin B.

Osborne; James T. Moore

### **ABSTRACT**

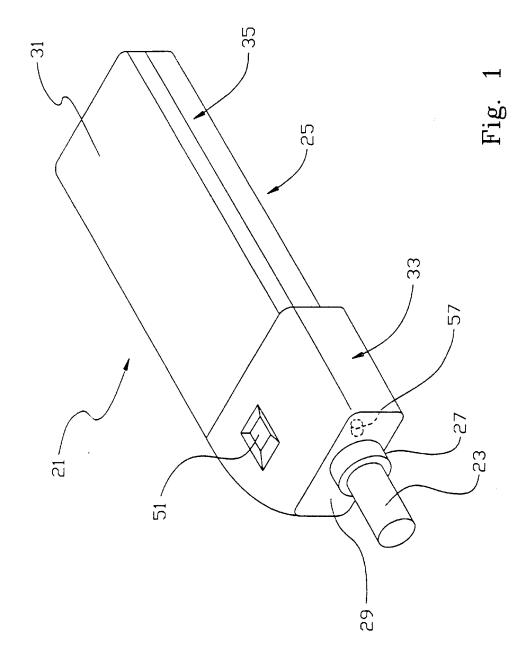
A novel electrical smoking system and method of establishing resistance to draw upon a cigarette while smoking a cigarette in an electrical smoking system comprising the step of operatively interposing a frit between a source of ambient air and the cigarette.

#### 33 Claims, 13 Drawing Sheets

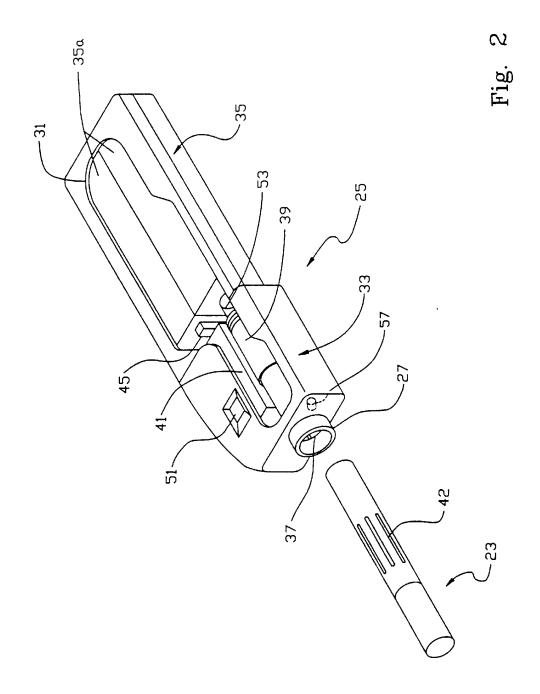




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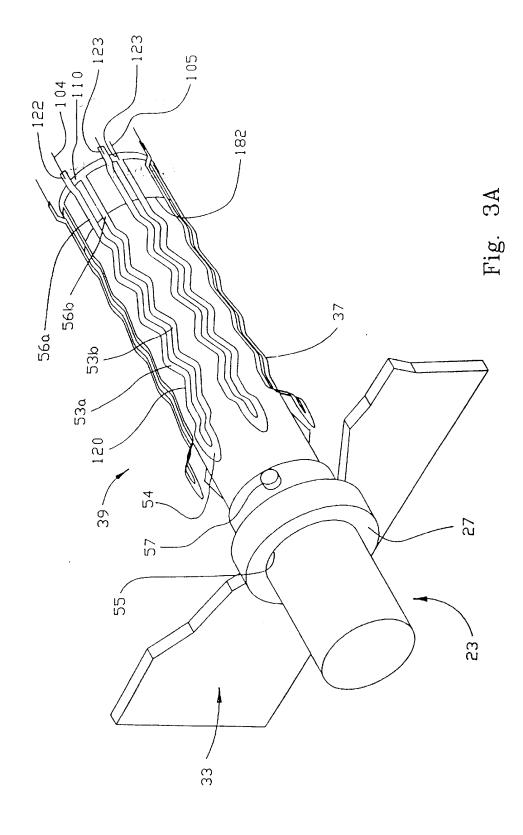




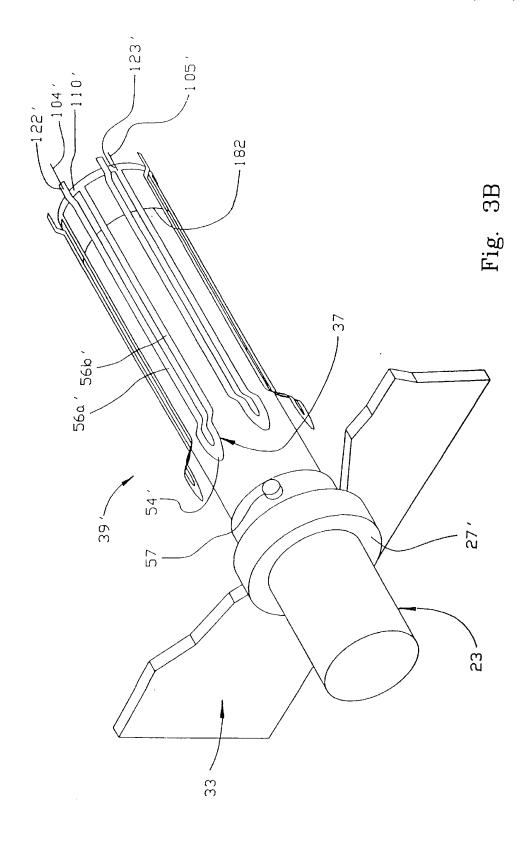




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