United States Patent [19]

Counts et al.

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[54] [75]		ors: Ma D. l Cor bot Spr	ERATING ARTICLE ry E. Counts; Bernard C. LaRoy; Bruce Losee, Jr., all of Richmond; Istance H. Morgan; Ulysses Smith, h of Midlothian; F. Murphy inkel, Jr., Glen Allen; Francis V. ch, Midlothian, all of Va.			
[73]	Assigne	ee: Phi	lip Morris Incorporated, New			
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	131	/359.369	9; 128/202, 202.21, 203.17, 203.27			
[56]			ferences Cited			
[50]		Re	ferences citeu			
U.S. PATENT DOCUMENTS						
	1,771,366	7/1930	Wyss et al			
	1,968,509	7/1934	Tiffany .			
	2,057,353	10/1936	Whittemore, Jr			
	2,104,266	1/1938	McCornick 131/273			
	2,442,004	5/1948	Hayward-Butt .			
	2,974,669	3/1961	Ellis .			
	3,280,819	8/1965	Gilbert .			
	3,363,633	1/1968	Weber .			
	3,402,723	9/1968	Hu.			
		12/1969	Hollabaugh .			
	3,804,100	4/1974	Fariello			
			Guarnieri .			
	3,889,690	6/1975				
	4,016,061	4/1977	Wasa et al			
	4,068,672	1/1978	Guerra .			
	4,077,784	3/1978	Vayrynen .			
		12/1978	Blasutti .			
	4,141,369	2/1979	Burruss .			
	4,164,230	8/1979	Pearlman .			
	4,193,411	3/1980	Faris et al			
	4,215,708	8/1980	Bron .			
	4,219,032	8/1980	Tabatznik et al			
	4,246,913	1/1981	Ogden et al			
	4,256,945	3/1981	Carter et al			
	4,259,970	4/1981	Green, Jr.			
	4,303,083	12/1981	Burruss, Jr			
	4,393,884	7/1983	Jacobs .			
	4,431,903	2/1984	Riccio .			
	4,436,100	3/1984	Green, Jr			
	4,463,247	7/1984	Lawrence et al			
	4,562,337		Lawrence .			
	.,,,,	,	· · · · · · · · · · · · · · · · · · ·			

5,060,671 [11] Patent Number:

Oct. 29, 1991 Date of Patent: [45]

4,570,646	2/1986	Herron .
4,580,583	4/1986	Green, Jr.
4,621,649	11/1986	Osterrath .
4,623,401	11/1986	Derbyshire et al
4,637,407	1/1987	Bonanno et al.
4,659,912	4/1987	Derbyshire .
4,735,217	4/1988	Gerth et al 131/273
4,771,796	9/1988	Myer.
4,776,353	10/1988	Lilja et al.
4,837,421	6/1989	Luthy .
4,846,199	7/1989	Rose .
4,848,376	7/1989	Lilja et al
4,874,924	10/1989	Yamamoto et al
4,877,989	10/1989	Drews et al
4,922,901	5/1990	Brooks et al
4,945,931	8/1990	Gori .
4,947,874	8/1990	Brooks et al
4,947,875	8/1990	Brooks et al

FOREIGN PATENT DOCUMENTS

1202378	3/1986	Canada .
87/104459	2/1988	China .
0295122	12/1988	European Pat. Off
0358002	3/1990	European Pat. Off
0358114	3/1990	European Pat. Off
3640917A1	8/1988	Fed. Rep. of Germany .
3735704A1	5/1989	Fed. Rep. of Germany .
61-68061	4/1986	Japan .
WO86/02528	4/1986	PCT Int'l Appl
2132539	7/1984	United Kingdom .
2148079	5/1985	United Kingdom .
2148676	5/1985	United Kingdom

OTHER PUBLICATIONS

"Excerpt from 'NASA Tech Briefs'," Jul./Aug. 1988,

p. 31. "PTC Thermistors," Keystone Carbon Company product literature.

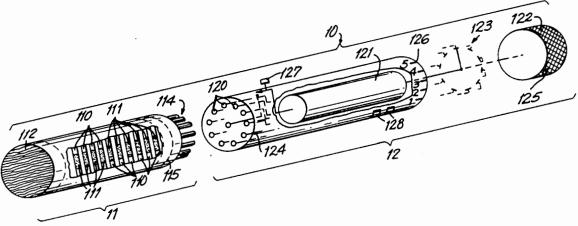
Primary Examiner-V. Millin

Attorney, Agent, or Firm-Jeffrey H. Ingerman

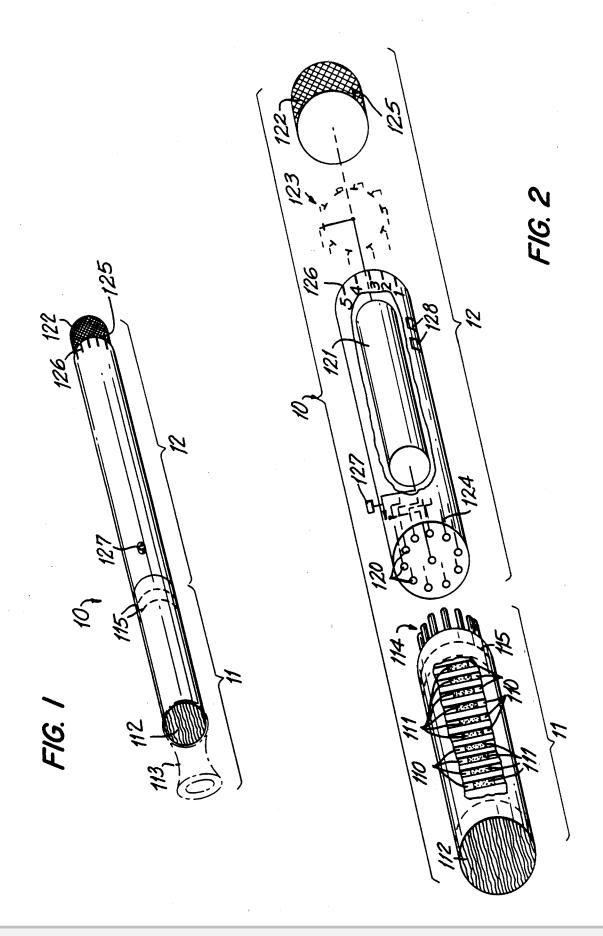
[57] ABSTRACT

An article is provided in which a flavor generating medium is electrically heated to evolve inhalable flavors or other components in vapor or aerosol form. The article has a plurality of charges of the flavor generating medium which are heated sequentially to provide individual puffs.

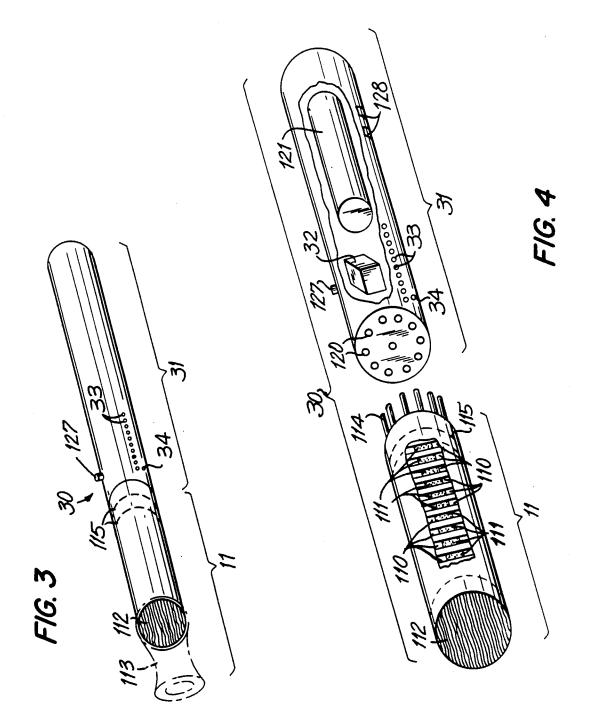
84 Claims, 10 Drawing Sheets

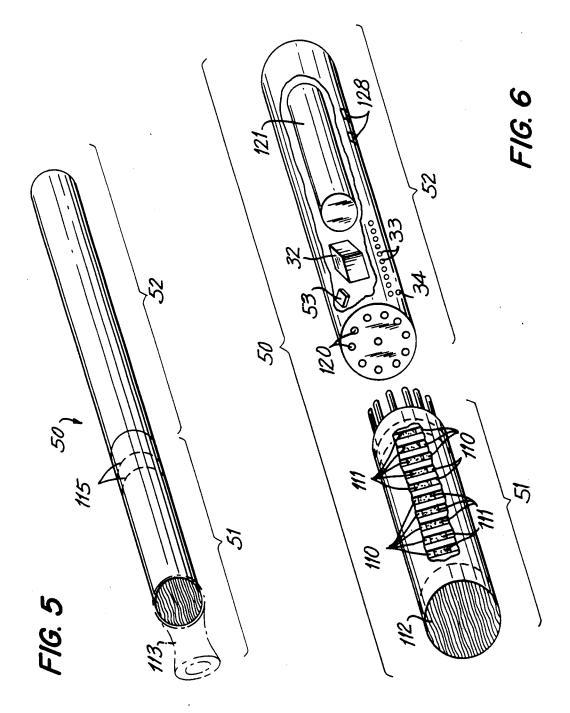


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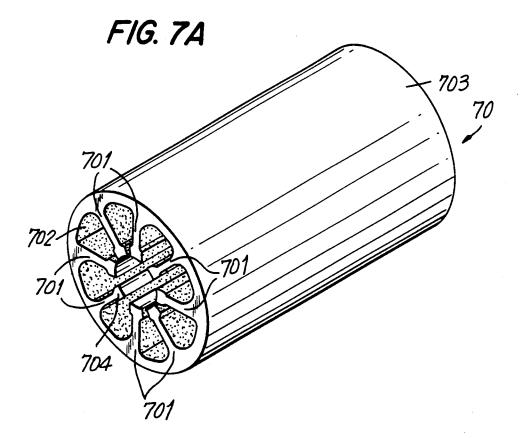


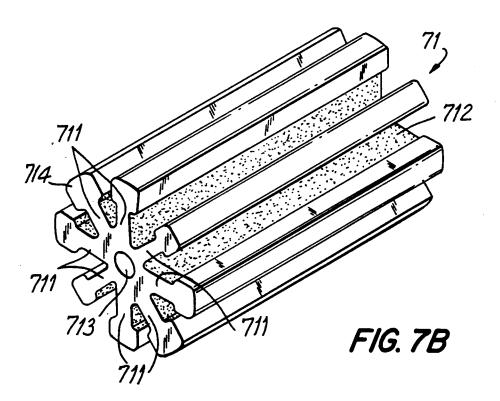
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