

United States Patent [19]

Takeuchi

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[54]	FLAVOR-GENERATING DEVICE					
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[73]	Assignee:	Japan Tobacco Inc., Tokyo, Japan				
[21]	Appl. No.:	09/120,457				
[22]	Filed:	Jul. 23, 1998				
[30]	Forei	gn Application Priority Data				
Jul.	23, 1997	JP] Japan 9-197033				
[52]	U.S. Cl					
[56]		References Cited				

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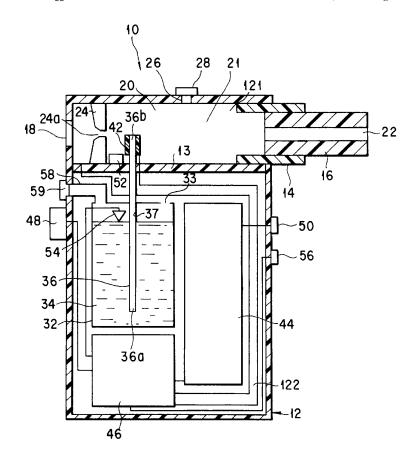
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Primary Examiner—James Derrington Assistant Examiner—Rob McBride Attorney, Agent, or Firm-Birch, Stewart, Kolasch & Birch,

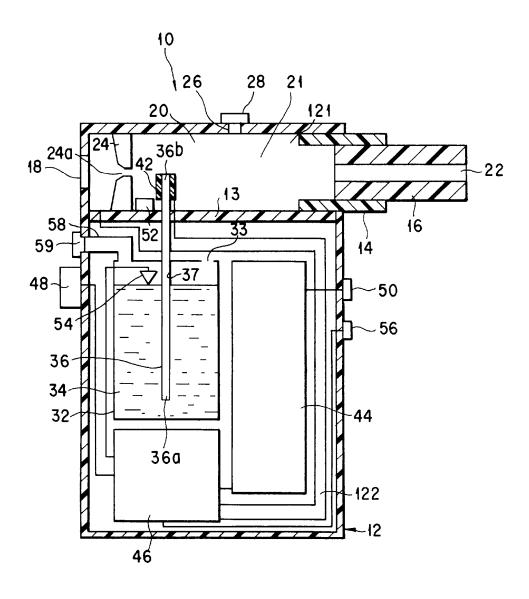
ABSTRACT [57]

A flavor-generating device includes a chamber having an air inlet port and a flavor inhalation port, and defining a gas passageway between the air inlet port and the inhalation port. A liquid container for storing a liquid flavor source is provided, and is maintained at substantially an atmospheric pressure. At least one liquid passageway is provided in fluid communication with the liquid flavor source at its first end portion and with the gas passageway at its second end portion. The liquid passageway transports the liquid flavor source therethrough by capillary force. A heater heats and evaporates the liquid flavor source at the second end portion of the liquid passageway.

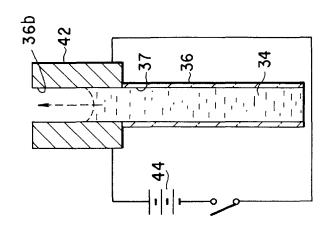
18 Claims, 8 Drawing Sheets



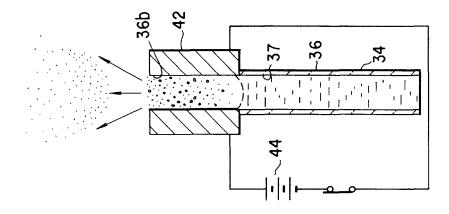




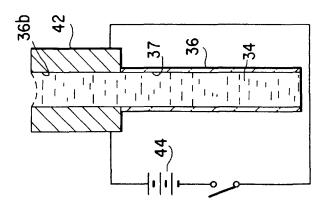
F I G. 1

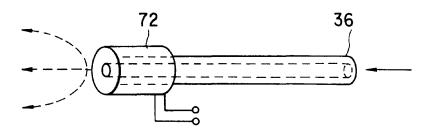


Dec. 5, 2000



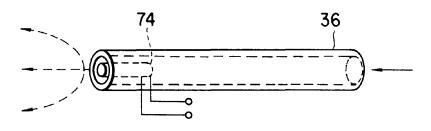
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F1G. 3

Dec. 5, 2000



F1G. 4

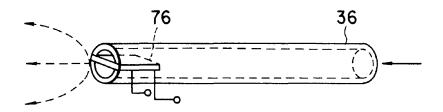
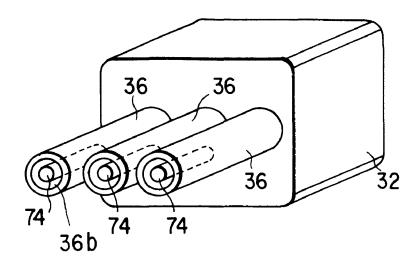
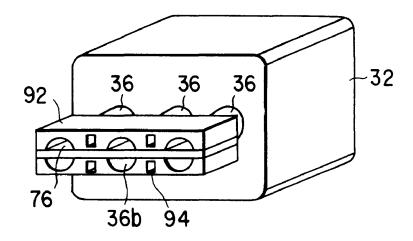


FIG. 5



Dec. 5, 2000

F1G. 6



F I G. 7

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