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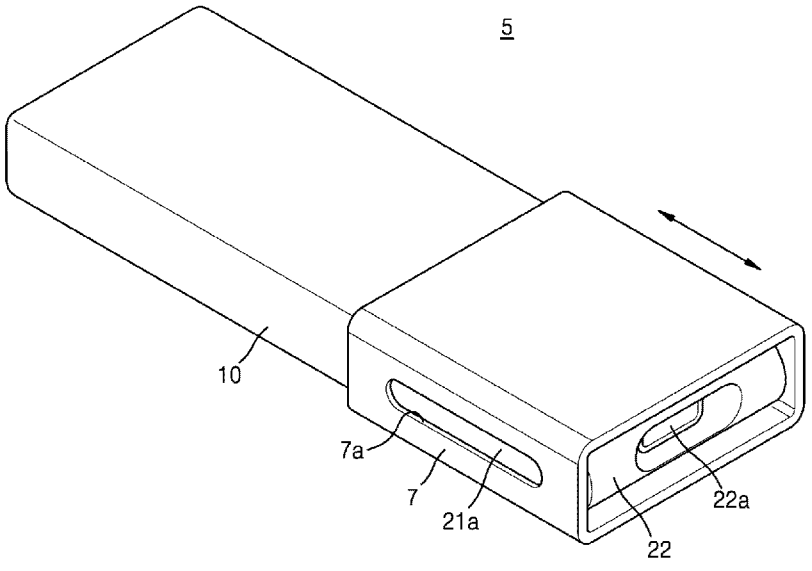
(54) Title: METHOD FOR COUNTING THE NUMBER OF PUFFS AND AEROSOL GENERATING DEVICE USING THE SAME



(57) Abstract: A method of counting the number of puffs using an aerosol generating device is disclosed. The may include obtaining a first start time which is a time when a pressure measured by a sensor included in the aerosol generating device decreases below a first reference pressure value; obtaining a first end time which is a time when the pressure measured by the sensor reaches the first reference pressure value after the first start time; determining whether a first period, which is a period between the first end time and the first start time, is longer than or equal to a first reference period; and increase the number of puffs by one based on the first period being longer than or equal to the first reference period.

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A24F 40/50; A24B 15/16; A24F 1/10; A24F 47/00; A61M 15/06; A24F 40/51; A24F 40/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords:puff, aerosol, sensor, reference pressure value, start time, end time, period

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2018-099663 A1 (PHILIP MORRIS PRODUCTS S.A.) 07 June 2018 See claims 1-10; and figures 1, 2.	1,2,6,8
A		3-5,7
Y	US 2006-0130860 A1 (CHOLET, GEORGES) 22 June 2006 See claims 1-9; and figures 1, 2.	1,2,6,8
A	KR 10-1888281 B1 (JAPAN TOBACCO INC.) 13 August 2018 See the whole document.	1-8
A	KR 10-1922737 B1 (PHILIP MORRIS PRODUCTS S.A.) 27 November 2018 See the whole document.	1-8
A	JP 3216735 U (3R SYSTEMS CORP.) 21 June 2018 See the whole document.	1-8

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"D" document cited by the applicant in the international application
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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