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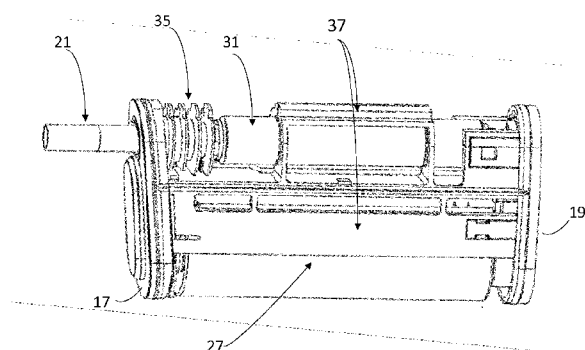


Figure 4

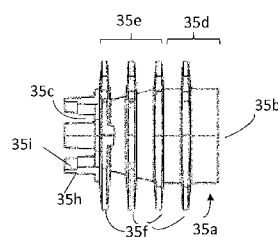


Figure 5a

(57) Abstract: An apparatus (1) arranged to heat smokable material to volatilise at least one component of said smokable material. The apparatus comprises: a housing (9); the housing (9) having a first opening (20) at a first end (3) through which a consumable article (21) containing smokable material can be removably inserted into the apparatus; at least one heater arrangement (23) arranged within the housing (9) for heating smokable material within the consumable article (21) when in use and a hollow chamber (35) between the first opening (20) and the at least one heater (23). The hollow chamber (35) surrounds at least a portion of the consumable article (21) when the consumable article is inserted into the device and an inner wall of the chamber and the at least a portion of the consumable article define an air gap (36) there between. Hot vapours that escape the consumable article in use can condense on the inner wall of the chamber.

## INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER  
 INV. A24F47/00  
 ADD.

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

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                             | Relevant to claim No. |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | WO 99/20939 A1 (PHILIP MORRIS PROD [US])<br>29 April 1999 (1999-04-29)                                                                                                                                                                                                         | 1,4-12                |
| Y         | page 6, line 24 - page 7, line 17; figures<br>1-3,6,7                                                                                                                                                                                                                          | 2,3                   |
| Y         | page 21, line 10 - page 23, line 5<br>-----<br>WO 2013/034460 A1 (BRITISH AMERICAN<br>TOBACCO CO [GB]; EGOYANTS PETR<br>ALEXANDROVICH [RU]; VO)<br>14 March 2013 (2013-03-14)<br>page 11, line 21 - page 13, line 11;<br>figures 1,2,12<br>page 22, lines 1-5<br>-----<br>-/-- | 2,3                   |



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

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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Name and mailing address of the ISA/

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## INTERNATIONAL SEARCH REPORT

International application No

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| C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |                                                                                                                                                                                                              |                       |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Category*                                            | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                           | Relevant to claim No. |
| X                                                    | WO 2015/062983 A2 (BRITISH AMERICAN TOBACCO CO [GB]) 7 May 2015 (2015-05-07)<br>page 12, line 16 - page 13, line 13;<br>figures 1-3<br>page 19, line 13 - page 20, line 4<br>-----                           | 1,4-7                 |
| X                                                    | WO 94/06314 A1 (PHILIP MORRIS PROD [US])<br>31 March 1994 (1994-03-31)<br>page 7, lines 26-35; figures 1,2,3A,5<br>page 9, lines 1-18<br>page 19, line 25 - page 20, line 13<br>page 35, lines 9-19<br>----- | 18-22                 |

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2017/061519

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:  
  
18-22
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

relates to an apparatus arranged to heat a smokable material having a cooling structure that increases the heat flow away from the hollow chamber, solving the problem of avoiding the volatized components that flow from the consumable article into the hollow chamber to be inhaled by the user.

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2. claims: 13-17

relates to an apparatus arranged to heat a smokable material having a gripping element in association with a hollow chamber forming a particular air gap between its inner wall and the consumable article, solving the problem of improving the fixation system for a specific hollow chamber having a cooling function

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3. claims: 18-22

relates to an apparatus arranged to heat a smokable material having a gripping section between the insertion opening and the heater arrangement for retaining the consumable article, solving the problem of improving the retainment function of the consumable article.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2017/061519

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Information on patent family members

International application No

PCT/EP2017/061519

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