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(54) **HEATER FOR TOBACCO-MATERIAL-CONTAINING RODS AND SYSTEM CONSISTING OF A HEATER FOR TOBACCO-MATERIAL-CONTAINING RODS**

(57) Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation (112), wherein at least one part of the rod can be inserted, a heating element (119) for heating air and

a conduit (118) for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation.

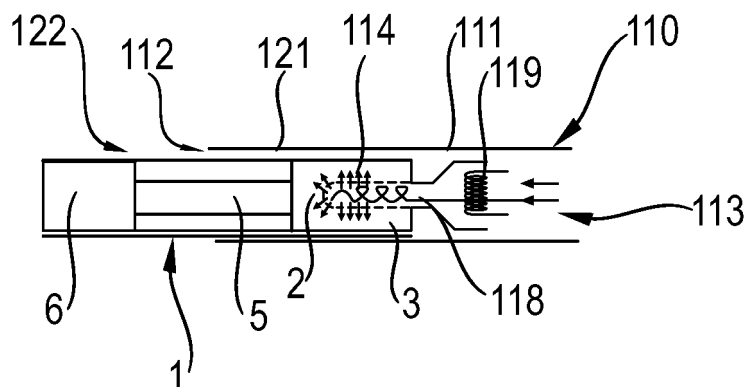


Fig. 9



EUROPEAN SEARCH REPORT

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EP 15 16 9385

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			TECHNICAL FIELDS SEARCHED (IPC)
			A24F F27D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 4 January 2017	Examiner Koob, Michael
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

3-6, 8, 13, 16

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1, 2

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air, a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation and a penetration element which penetrates into the rod, when at least one part of the rod is inserted into the accommodation, wherein the penetration element is provided with an outlet of the conduit and the outlet is arranged within the rod, when the penetration element has penetrated the rod.

2. claims: 3, 4

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, wherein the heating element is of physical type, chemical type or generates hot gas.

3. claims: 5, 6, 8

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, wherein the conduit comprises at least one or more capillary tubes.

4. claim: 7

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, wherein the accommodation is a cylindrical accommodation.

5. claims: 9-11



LACK OF UNITY OF INVENTION
SHEET B

Application Number

EP 15 16 9385

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, wherein the outlet comprises at least one hole.

6. claim: 12

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, wherein the capillary tube has a resistance to draw (RTD) of 60-160 mmWG.

7. claim: 13

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, wherein the capillary tube or other conduit is made of stainless steel coated with non-adhesive layer.

8. claim: 14

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, wherein the heater controls and limits the number of puffs.

9. claim: 15

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air, a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, a temperature sensor, which



**LACK OF UNITY OF INVENTION
SHEET B**

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

senses the temperature within the conduit, and a controller, which is connected with the temperature sensor and the heating element, wherein the controller controls the temperature of the air in the conduit within a certain range.

10. claim: 16

Heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air, a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, a vacuum sensor which is arranged in the conduit, a controller and a sound generator for generating a crackling sound, wherein the controller is connected with the vacuum sensor and the sound generator, and the controller is designed to control the sound generator, so that the sound generator generates a crackling sound when the vacuum sensor senses a pressure drop caused by a puff.

11. claims: 17-28

A system comprising a heater for generating aerosol in a rod comprising tobacco material, the heater comprising an accommodation, wherein at least one part of the rod can be inserted, a heating element for heating air and a conduit for introducing air heated by the heating element into the rod, when at least part of it is inserted into the accommodation, and a rod comprising tobacco material, wherein the rod can be inserted into the accommodation.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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