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(11)

EP 1 145 655 A1

(12)

EUROPEAN PATENT APPLICATION

published in accordance with Art. 158(3) EPC

(43) Date of publication:

17.10.2001 Bulletin 2001/42

(51) Int Cl.7: **A24F 13/18, A24F 19/14**

(21) Application number: **00971450.2**

(86) International application number:

PCT/ES00/00402

(22) Date of filing: **19.10.2000**

(87) International publication number:

WO 01/28372 (26.04.2001 Gazette 2001/17)

(84) Designated Contracting States:

**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL**

Designated Extension States:

AL LT LV MK RO SI

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(30) Priority: **19.10.1999 ES 9902619 U**

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(54) **DEVICE FOR EXTINGUISHING CIGARETTES**

(57) The subject matter of said utility model is a cylinder made from any solid material having a central hole and one inlet and outlet hole in which the cigarette is

placed, said cigarette being totally extinguished within three seconds without producing smoke, odor or ashes. The bottom of the central hole is concave.

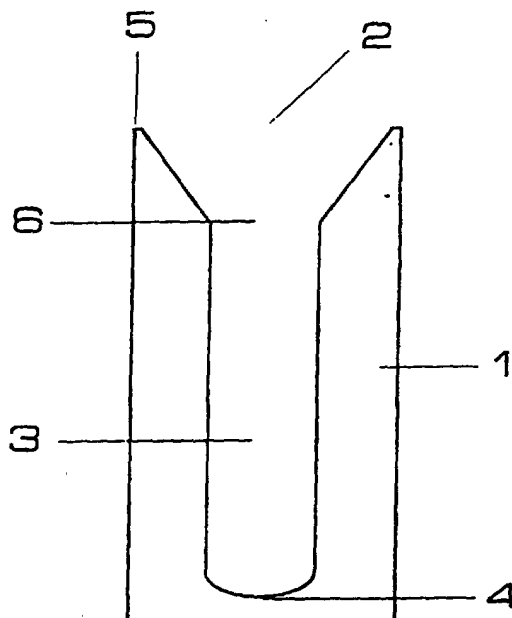


Fig. 1

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Description

[0001] The present invention refers to an "extinguisher device for cigarettes" that can be manufactured in any kind of solid material, natural or resin. Being so easy to transport, it can be used to wear inside a jacket pocket or even incorporated to a lighter or an ashtray.

[0002] The device of the present invention consists on a cylindrical body with a central hollow space and a only inlet and outlet hole where the cigarette is placed and within three seconds is completely extinct without any smoke, odor or ashes generating.

[0003] Usually, when a cigarette is thrown to an ashtray it is not completely extinct, therefore generating unpleasant odor, smoke or ashes. When thrown from a vehicle or walking, cigarettes can cause conflagration, also fire accidents are very frequent among people which use to smoke in bed.

[0004] The advantages of this invention can be deducted from the present description, notwithstanding this, we hereby appoint the most important advantages with a non limitative but only declarative aim ;

- Its is easy to manufacture.
- It can be merchandised as a single piece or added to ashtrays, lighters and any other smoker devices or decorative elements, particularly those of desktop.
- It is easy to transport and handle due to its lightness.
- Avoids smoke, unpleasant odors and ashes.
- Avoids risk of conflagrations.

In order to improve the comprehension of the present description, together with the present documents we are adding the drawing sheets on which also with a non limitative character the following figures are depicted :

- Figure number 1 shows a vertical cut view of the device.
- Figure number 2 shows a vertical perspective view of the device.

[0005] According to the enclosed designs the device comprised in the present invention consists on a cylindrical body (1) that can be manufactured in any solid material, as for example metal, stone, crystal or ceramic . This cylinder can also be manufactured in different sizes from 1,5 cm to 15 cm high, and with an external diameter that can fluctuate from eight millimetres up to half a cubic metre.

[0006] This cylinder has got an only inlet and outlet hole (2) of conical shape, with its minor base facing towards the inside part of the cavity (3) that is also cylindrical and slightly concave on its bottom part (4).

[0007] The circular edge of the entrance (5) can be flattened in order to ease the cigarettes support.

[0008] For extinguishing, the cigarette is entered inside the hole (2). The cone shape of the hole, allows to

place the lighted part of the cigarette over the minor base (6) and the lack of air supply causes the cigarette to extinguish within three seconds without any ashes, smoke or unpleasant odor generating. After, the extinct part of the cigarette can be thrown in any dustbin without risks.

Claims

1. "Extinguishing device for cigarettes", consisting of a cone shaped cylindrical body (1) of solid material with an only central hole (2) and its smaller base (6) facing towards the inside hollow (3) also cone shaped and with a concave bottom (4). The external edge (5) can also describe a slightly flattened area.

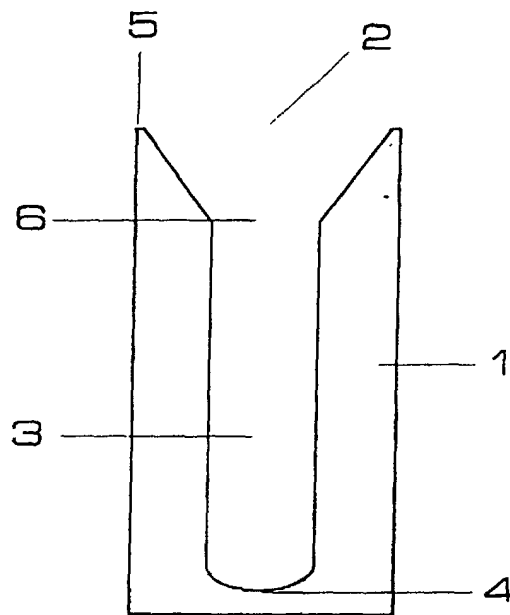


Fig. 1

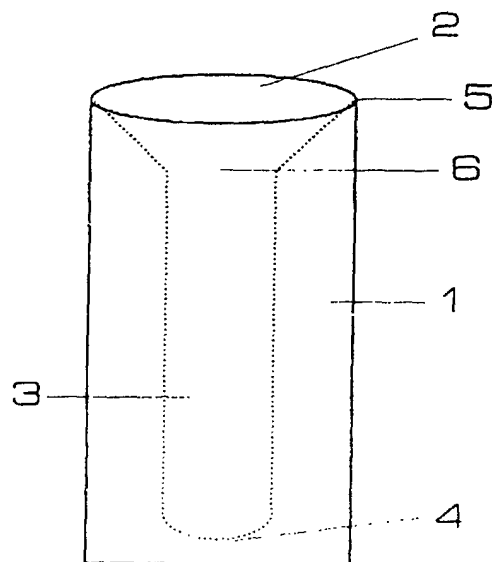


Fig. 2

INTERNATIONAL SEARCH REPORT

International application No.
PCT/ES 00/00402

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7 A24 F 13/18, 19/14		
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)		
IPC 7		
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 practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93 15620 A2 (CARDENAS) 19 August 1983 (19.08.83) Figures 1 and 4; abstract	1
X	ES 1001457 U (SORIA) 16 May 1998 (16.05.98) . Figures; pages 1 and 2.	1
X	ES 1023214 U (NUIN) 16 June 1993 (16.06.93). Figure; column 1, lines 41-58; column 2, line 12-22.	1
☐ Further documents are listed in the continuation of box C. ☒ Patent family members are listed in 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 document 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		
Date of the actual completion of the international search 27 November 2000 (27.11.00))		Date of mailing of the international search report 11 December 2000 (11.12.00)
Name and mailing address of the ISA/ S.P.T.O		Authorized officer Telephone No.

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/ ES 00/00204

Patent document Cited in search report	Publication date	Patent family member(s)	Publication date
WO 9315260	19.08.1993	CA 2060804 A AU 3445693 A GB 2281120 A US 5564443 A	07.08.1993 03.09.1993 22.02.1993 15.10.1996
ES 1001457	01.05.1988	NONE	
ES 1023214	16.06.1993	NONE	

Form PCT/ISA/210 (patent family annex) (July 1992)