



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
07.10.2009 Bulletin 2009/41

(51) Int Cl.:
F24F 1/01 (2006.01) **F24F 13/06** (2006.01)

(43) Date of publication A2:
29.06.2005 Bulletin 2005/26

(21) Application number: **04380267.7**

(22) Date of filing: **22.12.2004**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR LV MK YU

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(30) Priority: **26.12.2003 ES 200302964 U**

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(54) **Induction diffuser for air conditioning installations**

(57) This is the description of an induction diffuser, of the type that is anchored to the ceiling of an enclosed area to diffuse non isothermal air towards the inner space of the enclosed area. It has a truncated cone shape and designed inside in a cylindrical shape so it can be connected to the plenum that feeds the treated air. Inside the plenum there are two sub-casings placed one on top of the other, respectively concentric with each other and

with the outer casing. They are joined by the perimeter edge of their larger base with respect to a front closing plate, aided by different sized uprights, aligned according to two circumferential lines, equally spaced at an angle and the front closing plate has a central orifice facing the innermost sub-casing, and has a smaller diameter than the base of the latter. The front plate has been designed with a radially variable thickness.

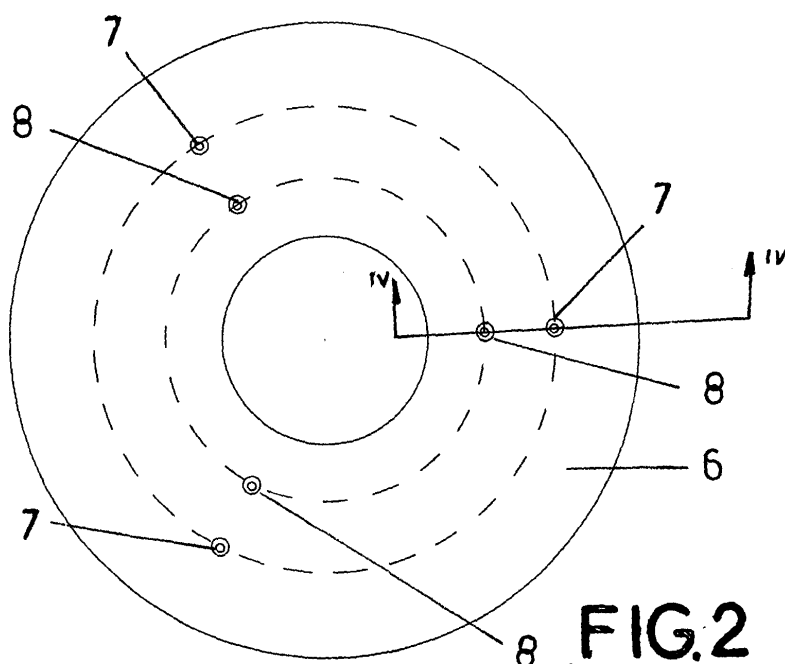


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 04 38 0267

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	GB 587 738 A (JOHN FREDERICK FLUDE) 5 May 1947 (1947-05-05) * abstract; figures 1-3 * * page 3, lines 26-36 * -----	1,2	INV. F24F1/01 F24F13/06
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			TECHNICAL FIELDS SEARCHED (IPC)
			F24F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 August 2009	Examiner Moreno Rey, Marcos
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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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 04 38 0267

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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