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(71) Applicant: **BORELLI Luigi**
55049 VIAREGGIO (LU) (IT)

(72) Inventor: **BORELLI Luigi**
55049 VIAREGGIO (LU) (IT)

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(74) Representative: **Bonini, Ercole et al**
Corso Fogazzaro, 8
36100 Vicenza (IT)

(54) Heating group for diathermic fluid radiant elements

(57) A heating group (1) for diathermic fluid radiant elements (A, B) comprising: a heater (2) put in contact with the diathermic fluid and consisting of a tubular body (4) containing an electric insulator (4a) in which at least an electric resistance (5) is immersed; a tubular sleeve (6) disposed at one end of the tubular body (4) and provided with fastening means (6a) to the radiant element

(A, B); a feeding group (7) of the heater (2), comprising at least a solid-state switch (8) able to connect the electric resistance (5) to a distribution power grid (9); electronic control means (10) for switching off and switching on the switch (8). The solid-state switch (8) is disposed inside the sleeve (6), where it is incorporated in a thermo-conductive core (11; 19; 20) adherent to the inner wall (6a) of the sleeve (6).

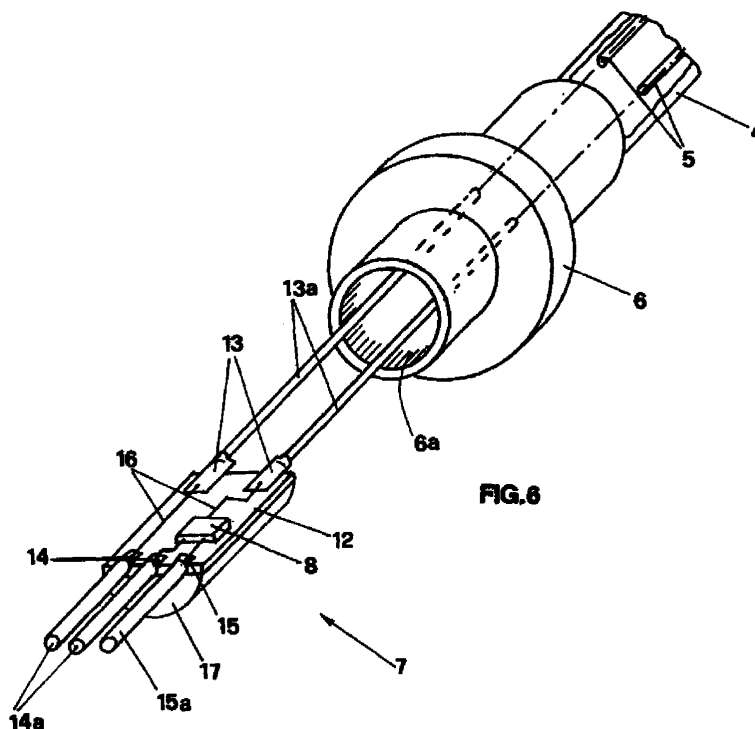


FIG. 6

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 04 10 6370 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			F24D H05K H05B H01L F24H
INCOMPLETE SEARCH			
<p>The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search		Date of completion of the search	Examiner
Munich		11 May 2006	García Moncayo, O
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p>			

EPO FORM 1503 03/82 (P04C07)

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			TECHNICAL FIELDS SEARCHED (IPC)



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INCOMPLETE SEARCH
SHEET C

Application Number
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Claim(s) searched completely:
1-12

Claim(s) not searched:
13

Reason for the limitation of the search:

Claim 13 is formulated in such a vague and unclear manner that no meaningful search could be carried out.

**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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