

Title (en)
Heating group for diathermic fluid radiant elements

Title (de)
Wärmegruppe für ein diathermisches Flüssigkeitsstrahlungselement

Title (fr)
Groupe chauffante pour éléments radiantes à fluide diathermique

Publication
EP 1655546 A1 20060510 (EN)

Application
EP 04106370 A 20041207

Priority
IT VI20030248 A 20031209

Abstract (en)
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).

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F24H 3/004 (2013.01 - EP)

Citation (applicant)
• EP 1278400 A2 20030122 - JEDAC [FR]
• DE 10209905 A1 20030918 - STIEBEL ELTRON GMBH & CO KG [DE]
• US 6147335 A 20001114 - VON ARX THEODORE T [US], et al

Citation (search report)
• [X] EP 1278400 A2 20030122 - JEDAC [FR]
• [X] DE 10209905 A1 20030918 - STIEBEL ELTRON GMBH & CO KG [DE]
• [X] US 6147335 A 20001114 - VON ARX THEODORE T [US], et al
• [A] EP 1156704 A1 20011121 - ACOVA [FR]
• [A] EP 1081986 A2 20010307 - BLECKMANN GMBH [AT]
• [A] EP 0317435 A1 19890524 - ANDRE DAVID
• [A] WO 03100326 A1 20031204 - IRCA SPA [IT], et al

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FR2932551A1; EP2000747A3; EP4271128A1; IT202200008582A1; EP2251612A1; FR2945107A1; ITVI20120103A1; EP2661151A1

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