

Title (en)
ELECTRICAL RADIANT HEATING ELEMENT

Publication
EP 0467111 A3 19920805 (DE)

Application
EP 91110444 A 19910625

Priority
DE 4022292 A 19900715

Abstract (en)
[origin: JPH04227423A] PURPOSE: To provide a radiant heating element realizing a uniform heating coverage in definite arrangement.
CONSTITUTION: Heating resistors 18 are arranged on an insulating support 16 while projecting from joints 20 arranged regularly on the outer circumference of a heating area 21 and connected, thereat, with semicircular ring circuits 22, 23. The resistors 18 run from the outside to the inside in nested double spirals 30, 31, reverse there in return bends 32 and then run parallel back again to the outside. This gives a very uniform, almost completely symmetrical arrangement, so that the glowing state is rapidly reached and a uniform glow pattern is obtained.

IPC 1-7
H05B 3/74

IPC 8 full level
F24C 7/06 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP US)
H05B 3/748 (2013.01 - EP US); **H05B 2203/016** (2013.01 - EP US)

Citation (search report)
• [A] EP 0303854 A1 19890222 - EGO ELEKTRO BLANC & FISCHER [DE]
• [A] DE 1024181 B 19580213 - KANTHAL AB
• [A] FR 2539940 A3 19840727 - IRCA SPA [IT]
• [A] DE 3247028 A1 19840620 - EGO ELEKTRO BLANC & FISCHER [DE]

Cited by
DE4320214A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
EP 0467111 A2 19920122; EP 0467111 A3 19920805; DE 4022292 A1 19920116; JP H04227423 A 19920817; US 5153413 A 19921006

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EP 91110444 A 19910625; DE 4022292 A 19900715; JP 17400591 A 19910715; US 72936791 A 19910712