

Title (en)
RADIANT HEATING ELEMENT

Publication
EP 0371295 A3 19910821 (DE)

Application
EP 89120765 A 19891109

Priority
DE 3840360 A 19881130

Abstract (en)
[origin: US5004892A] A radiant element (11) contains a light radiator, e.g. a substantially circular halogen tubular lamp (15) and a dark radiator (18) in the form of standard open, electric radiant heating coils. For damping or attenuating the high starting or transient current of the light radiator (15), a damping resistor (21) is connected in series therewith, namely during the warming-up phase of the light radiator (15). Following the rise of the resistance of the light radiator due to its heating or after a certain time lapse, a damping switching device (22) disables the series resistor by shorting across it.

IPC 1-7
H05B 3/74

IPC 8 full level
H05B 3/74 (2006.01); **H05B 3/00** (2006.01); **H05B 3/72** (2006.01)

CPC (source: EP KR US)
G03G 15/20 (2013.01 - KR); **H05B 3/72** (2013.01 - EP US); **H05B 3/74** (2013.01 - KR)

Citation (search report)

- [X] EP 0235895 A1 19870909 - MICROPORE INTERNATIONAL LTD [GB]
- [Y] EP 0206597 A1 19861230 - MICROPORE INTERNATIONAL LTD [GB]
- [A] DE 3516788 A1 19861113 - BOSCH SIEMENS HAUSGERAETE [DE]
- [A] IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS. vol. 24, no. 2, März 1988, NEW YORK US Seiten 322 - 327; T.R. Payne: "Electronic Control System for Infrared Heating Applied to Surface Cooking"

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FR2669803A1; EP2315493A1; EP2315493B1

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

DOCDB simple family (publication)
EP 0371295 A2 19900606; EP 0371295 A3 19910821; EP 0371295 B1 19960117; AT E133311 T1 19960215; AU 4549889 A 19900607; AU 626943 B2 19920813; DE 3840360 A1 19900531; DE 58909575 D1 19960229; ES 2081828 T3 19960316; JP H02189884 A 19900725; KR 900008348 A 19900604; US 5004892 A 19910402; YU 224189 A 19920907

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