

Title (en)
ELECTRIC HEATING ELEMENT

Publication
EP 0261397 A3 19880504 (DE)

Application
EP 87112080 A 19870820

Priority
DE 3631852 A 19860919

Abstract (en)
[origin: US4801915A] A heating unit, in particular for bread toasters, with a useful heat emitting area (2) and a waste heat emitting area (12), comprising an insulating body (1) and a heat conductor wound thereon. In bread toasters the efficiency of such heating units is considered unsatisfactory, and undue heating of the housing occurs since the radiation of heat in the waste heat emitting area is not directed to the material being toasted but to the housing walls. To avoid this shortcoming, it is proposed to short-circuit the heat conductor portions (12) extending in the waste heat emitting area.

IPC 1-7
H05B 3/26; A47J 37/08

IPC 8 full level
H05B 3/16 (2006.01)

CPC (source: EP US)
H05B 3/16 (2013.01 - EP US)

Citation (search report)

- GB 1395536 A 19750529 - SUNBEAM CORP
- US 2659800 A 19531117 - ZANDER WALDO H
- GB 810944 A 19590325 - PROCTOR ELECTRIC CO
- DE 2917808 A1 19801113 - EICHENAUER FA FRITZ

Designated contracting state (EPC)
AT CH DE FR GB LI NL

DOCDB simple family (publication)
DE 3631852 C1 19880128; EP 0261397 A2 19880330; EP 0261397 A3 19880504; US 4801915 A 19890131

DOCDB simple family (application)
DE 3631852 A 19860919; EP 87112080 A 19870820; US 9245687 A 19870903