

Title (en)  
IMPROVEMENTS IN ELECTRIC HOTPLATES

Publication  
**EP 0384659 A3 19920219 (EN)**

Application  
**EP 90301684 A 19900216**

Priority  
GB 8903828 A 19890220

Abstract (en)  
[origin: EP0384659A2] An electric hotplate for use in a cooker hob comprises a pair of resistive heating elements, R1, R2, having a high positive temperature coefficient of resistance. A relay in series with R2, has its operating coil in series with a temperature sensing resistor T. also having a high positive temperature coefficient of resistance, and connected between the supply terminals by a switch S3, which closes when the energy regulating device S2 is first turned on. In operation, the relay contacts remain open until the hotplate has begun to warm up, so that initial heating is by current through R1 alone. The invention is applicable to hotplates comprising a vitreous enamelled metal plate on which the elements are deposited as resistive films. <IMAGE>

IPC 1-7  
**H05B 3/72**; **H05B 3/68**

IPC 8 full level  
**H05B 3/00** (2006.01); **H05B 3/14** (2006.01); **H05B 3/68** (2006.01); **H05B 3/72** (2006.01)

CPC (source: EP)  
**H05B 3/68** (2013.01); **H05B 3/72** (2013.01); **H05B 2203/02** (2013.01)

Citation (search report)  
• [A] DE 3518124 A1 19861127 - EGO ELEKTRO BLANC & FISCHER [DE]  
• [A] GB 2193617 A 19880210 - AKO WERKE GMBH & CO  
• [A] EP 0087511 A1 19830907 - EGO ELEKTRO BLANC & FISCHER [DE]  
• [A] FR 2583947 A1 19861226 - BOSCH SIEMENS HAUSGERAETE [DE]  
• [A] EP 0233375 A2 19870826 - SCHOTT GLASWERKE [DE], et al  
• [A] EP 0103741 B1 19881117  
• [A] EP 0079483 A1 19830525 - EGO ELEKTRO BLANC & FISCHER [DE]

Cited by  
WO9721326A1

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

DOCDB simple family (publication)  
**EP 0384659 A2 19900829**; **EP 0384659 A3 19920219**; GB 2228395 A 19900822; GB 8903828 D0 19890405; JP H03171584 A 19910725

DOCDB simple family (application)  
**EP 90301684 A 19900216**; GB 8903828 A 19890220; JP 4088190 A 19900220