

Title (en)  
ELECTRIC HEATER

Publication  
**EP 0056150 A3 19830112 (DE)**

Application  
**EP 81110787 A 19811225**

Priority  
DE 3049521 A 19801230

Abstract (en)  
[origin: ES8302993A1] An electric hotplate, having an insulator bearing at least one electrical heating resistor, comprising: a metal plate heatable by the at least one electrical heating resistor, having substantially flat upper and lower surfaces and a downwardly directed rim near its outer circumference, the rim and lower surface defining a space therebetween, and the upper surface forming a cooking surface for receiving cooking vessels placed thereon the insulator having a plurality of insulating layers, the at least one heating resistor being disposed on the upper surface of the uppermost layer a basket-shaped metal lattice surrounding the insulator about its outer surface and holding the plurality of insulating layers together, the insulator and metal lattice forming an independently positionable heater/insulator assembly and, fasteners at the rim for engaging the metal lattice and holding the heater/insulator assembly in position at least partly in the space.

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IPC 8 full level  
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**F24C 7/067** (2013.01 - EP US); **H05B 3/70** (2013.01 - EP US); **H05B 3/748** (2013.01 - EP US); **H05B 2213/04** (2013.01 - EP US)

Citation (search report)  
• DE 2820139 A1 19791115 - FISCHER KARL  
• DE 2740163 A1 19780914 - EMERSON ELECTRIC CO  
• US 2261496 A 19411104 - HAPPE ARTHUR H, et al  
• US 2163036 A 19390620 - HAPPE ARTHUR H

Cited by  
DE102010063454B4

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

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**EP 0056150 A2 19820721**; **EP 0056150 A3 19830112**; **EP 0056150 B1 19870107**; AT E24814 T1 19870115; AU 548785 B2 19860102; AU 7880481 A 19820708; DE 3049521 A1 19820729; DE 3175825 D1 19870212; ES 508395 A0 19821201; ES 8302993 A1 19821201; FI 814160 L 19820701; GR 76103 B 19840803; JP S57134886 A 19820820; US 4447711 A 19840508; YU 310481 A 19841231; ZA 818992 B 19821124

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