

Title (en)
Induction cooking plate

Title (de)
Induktive Kochstellenbeheizung

Title (fr)
Plaque de cuisson à induction

Publication
EP 0561208 B1 19970528 (DE)

Application
EP 93103274 A 19930302

Priority
DE 4208250 A 19920314

Abstract (en)
[origin: EP0561208A2] The inductive hot plate heater has an induction coil (30) which is supplied with radiofrequency. The thickness and wire thickness of the individual conductors are of the order of magnitude of 0.2 mm for a normal frequency between 20 and 30 kHz (25 kHz). This small wire thickness has been found to produce particularly low losses. The arrangement of the induction hot plate (10) consists of thermal insulation (32), which is arranged under a plate (12) which is suitable for cooking vessels (13) to be placed on, of a screen (33) having branched, earthed lead structures, and of an induction coil (30) which is in the form of a disc and is fed back to the underneath side by means of a ferrite feedback plate (31). <IMAGE>

IPC 1-7
H05B 6/12; **H05B 6/06**

IPC 8 full level
H05B 6/06 (2006.01); **H05B 6/12** (2006.01)

CPC (source: EP US)
H05B 6/062 (2013.01 - EP US); **H05B 6/1263** (2013.01 - EP US)

Cited by
EP1492386A4; ES2113298A1; EP0743805A1; EP1122983A3; FR2923978A1; EP4399974A1; WO2019129430A1; WO2024153418A1; WO9522239A1

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

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EP 0561208 A2 19930922; **EP 0561208 A3 19931013**; **EP 0561208 B1 19970528**; DE 4208250 A1 19930916; DE 59306550 D1 19970703; ES 2101890 T3 19970716; US 5430273 A 19950704

DOCDB simple family (application)
EP 93103274 A 19930302; DE 4208250 A 19920314; DE 59306550 T 19930302; ES 93103274 T 19930302; US 3067793 A 19930312