

Title (en)
Induction cooking plate

Title (de)
Induktive Kochstellenbeheizung

Title (fr)
Plaque de cuisson à induction

Publication
EP 0561206 B1 19960828 (DE)

Application
EP 93103272 A 19930302

Priority
DE 4208252 A 19920314

Abstract (en)
[origin: EP0561206A2] An inductive hot plate heater is controlled and regulated by a multi-cycle controller (burst-firing controller) which uses a symmetrical pattern of complete mains half-cycles. Switching always takes place at the zero crossing and is balanced such that no DC voltage element is produced in the mains. It furthermore contains an optical temperature monitor for the plate (12) covering the hot plate, having an infrared photo-sensor (36) which determines the temperature on the basis of its predetermined spectral range. <IMAGE>

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

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); **H05B 2213/07** (2013.01 - EP US)

Cited by
US5914066A; EP3177108A1; ES2173021A1; EP1463383A1; FR2726704A1; DE102012102575B4; WO9524817A1; WO2006032292A1; EP2166819B1; EP1006756B2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0561206 A2 19930922; **EP 0561206 A3 19931013**; **EP 0561206 B1 19960828**; DE 4208252 A1 19930916; DE 59303529 D1 19961002; ES 2091505 T3 19961101; US 5488214 A 19960130

DOCDB simple family (application)
EP 93103272 A 19930302; DE 4208252 A 19920314; DE 59303529 T 19930302; ES 93103272 T 19930302; US 43500295 A 19950504