

Title (en)
Sensor for cooking vessel detection

Title (de)
Sensor zur Kochgefäßserkennung

Title (fr)
Capteur pour la détection d'un récipient de cuisson

Publication
EP 0982973 B2 20090211 (DE)

Application
EP 99123892 A 19970118

Priority
• DE 19603845 A 19960205
• EP 97100766 A 19970118

Abstract (en)
[origin: EP1379105A2] A sensor (30) has a single-wind loop that consists of a tube or thick wire and fits over the sensor near heater zones (18,19) and tightly under a glass ceramic plate. In the case of a two-circuit electric radiant element, the sensor loop is shaped in the heater zones with concise peripheral areas (37,38). An Independent claim is also included for a radiant element.

IPC 8 full level
H05B 3/00 (2006.01); **H05B 3/74** (2006.01); **H05B 1/02** (2006.01); **H05B 3/68** (2006.01)

CPC (source: EP US)
H05B 3/746 (2013.01 - EP US); **H05B 2213/05** (2013.01 - EP US)

Citation (opposition)
Opponent :
• US 4013859 A 19770322 - PETERS JR PHILIP H
• EP 0553425 A1 19930804 - WHIRLPOOL EUROP [NL]
• J.C. WHITAKER: "The Electronics Handbook", TECHNICAL PRESS, INC., pages: 1343-44

Cited by
CN110073084A; EP1460386A2; US11598530B2; EP2706816A1; DE102012215744A1

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

DOCDB simple family (publication)
EP 0788293 A2 19970806; EP 0788293 A3 19980107; EP 0788293 B1 20010808; AT E204114 T1 20010815; AT E263475 T1 20040415; DE 19603845 A1 19970807; DE 19603845 B4 20100722; DE 59704217 D1 20010913; DE 59711476 D1 20040506; EP 0982973 A2 20000301; EP 0982973 A3 20000503; EP 0982973 B1 20040331; EP 0982973 B2 20090211; EP 1379105 A2 20040107; EP 1379105 A3 20041103; ES 2162136 T3 20011216; ES 2218941 T3 20041116; ES 2218941 T5 20090601; JP H09223572 A 19970826; US 5893996 A 19990413

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EP 97100766 A 19970118; AT 97100766 T 19970118; AT 99123892 T 19970118; DE 19603845 A 19960205; DE 59704217 T 19970118; DE 59711476 T 19970118; EP 03022466 A 19970118; EP 99123892 A 19970118; ES 97100766 T 19970118; ES 99123892 T 19970118; JP 3257297 A 19970203; US 79238397 A 19970203