

Title (en)

Microwave oven providing a security to the high-voltage-transformer

Title (de)

Mikrowellenherd versehen mit eine Sicherungseinrichtung für den Hochspannungstransformator

Title (fr)

Four à micro-ondes comportant une sécurité protégeant le transformateur haute tension

Publication

EP 0981265 A1 20000223 (EN)

Application

EP 99302489 A 19990330

Priority

KR 19980033738 A 19980820

Abstract (en)

A microwave oven has a power supply that provides protection against an initial overcurrent condition. The overcurrent protection is provided by a relay (21) in parallel with a resistor (23). The relay (21) is initially open so that the current supplied to the oven's high-voltage transformer (9) is initially limited by the resistor (23). The relay (21) closes when the current in its coil (17) has increased sufficiently. The mains applied to the oven is reduced, rectified and smoothed before being applied to the coil (17). <IMAGE>

IPC 1-7

H05B 6/66

IPC 8 full level

H05B 6/68 (2006.01); **H05B 6/66** (2006.01)

CPC (source: EP KR)

H05B 6/666 (2013.01 - EP); **H05B 6/68** (2013.01 - KR)

Citation (search report)

- [PX] FR 2765040 A1 19981224 - DAEWOO ELECTRONICS CO LTD [KR]
- [A] FR 2066097 A5 19710806 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 4556773 A 19851203 - YOSHIYUKI TAKADA [JP], et al
- [A] GB 1239789 A 19710721 - DYSONA IND LTD

Cited by

US2015146459A1; US9343951B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0981265 A1 20000223; **EP 0981265 B1 20040630**; DE 69918380 D1 20040805; DE 69918380 T2 20050811; KR 100271362 B1 20001101; KR 20000014346 A 20000306

DOCDB simple family (application)

EP 99302489 A 19990330; DE 69918380 T 19990330; KR 19980033738 A 19980820