

Title (en)

Microwave oven with reduced electromagnetic noise

Title (de)

Mikrowellenofen mit reduziertem elektromagnetischem Rauschen

Title (fr)

Four à micro-ondes avec bruit électromagnétique réduit

Publication

EP 1515590 A1 20050316 (EN)

Application

EP 04292169 A 20040909

Priority

JP 2003317998 A 20030910

Abstract (en)

A microwave oven includes a magnetron apparatus (14), a heat chamber (13), a chassis (11) and a cabinet (12). The magnetron apparatus (14) contains a magnetron tube (15) which generates an electromagnetic wave, and a metal member (16). The metal member (16) is electrically connected to the anode (15a) and encloses the magnetron tube (15). The heat chamber (13) is supplied with the electromagnetic wave. The heat chamber (13) is mounted on the chassis (11). The cabinet (12) constitutes a body (10) that covers the magnetron apparatus (14) and the heat chamber (13) in combination with the chassis (11). In the microwave oven, the metal member (16) and the cabinet (12) are electrically connected through an electrically conductive sponge (17). This microwave oven can suppress radiation noise. <IMAGE> <IMAGE>

IPC 1-7

H05B 6/76; **H05B 6/80**; **H01J 23/15**

IPC 8 full level

H05B 6/66 (2006.01); **F24C 7/02** (2006.01); **H05B 6/64** (2006.01); **H05B 6/76** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP KR)

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Citation (search report)

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- [A] DE 4135896 A1 19920507 - GOLD STAR CO [KR]
- [A] EP 0426130 A2 19910508 - TOSHIBA KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 20 10 July 2001 (2001-07-10)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 04 31 March 1998 (1998-03-31)

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