

Title (en)  
Magnetron for microwave oven.

Title (de)  
Magnetron für Mikrowellenherd

Title (fr)  
Magnétron pour four à micro-ondes

Publication  
**EP 1594152 A2 20051109 (EN)**

Application  
**EP 05290528 A 20050309**

Priority  
JP 2004069109 A 20040311

Abstract (en)  
A magnetron for microwave oven can suppress undesirable noises, especially the sixth harmonic and the seventh harmonic. <??>The magnetron for microwave oven having an oscillating frequency of 2450 MHz band comprises: a cathode 12 placed inside an anode cylinder 11; a plurality of vanes 13 arranged radially toward the cathode 12 from an inner wall of the anode cylinder 11; a pair of first strap rings 14a connecting alternately every other vane at top ends and bottom ends of the plurality of vanes 14; a pair of second strap rings 14b placed inside the first strap rings 14a and connecting alternately every other vane at top ends and bottom ends of the plurality of vanes, wherein an inner diameter of the second strap ring 14b is 1.45 times to 1.53 times as large as a distance between inner ends of two vanes 13 placed on a diameter of the anode cylinder 11. <IMAGE>

IPC 1-7  
**H01J 23/22**; **H01J 25/587**; **H01J 23/20**; **H01J 23/54**

IPC 8 full level  
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CPC (source: EP KR)  
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Cited by  
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