

Title (en)  
Magnetron device

Title (de)  
Magnetrongerät

Title (fr)  
Dispositif magnétron

Publication  
**EP 2148358 A3 20100728 (EN)**

Application  
**EP 09166085 A 20090722**

Priority  
JP 2008189971 A 20080723

Abstract (en)  
[origin: EP2148358A2] A magnetron device in which the wire's diameter of coils for the core type inductor and the air-core type inductor is 1.0 to 1.4 mm, and the cross sectional area of the magnetic core is 5 to 16 mm<sup>2</sup>, the number of turns of the coil for the air-core type inductor being  $55 < 2 \pi \frac{D}{A} \leq 90$ , for the choke coil (35) accommodated in the filter box (31) disposed so as to cover the cathode terminal (33) of the magnetron tube body (10), which is comprised of the core type inductor (36) having the magnetic core (36a) and the air-core type inductor (37), and both thereof being serially connected together, where A (mm) is the wire's diameter of the coil, and D (mm) is the diameter of the magnetic core.

IPC 8 full level  
**H01J 23/15** (2006.01); **H01J 25/587** (2006.01)

CPC (source: EP KR)  
**H01J 23/14** (2013.01 - KR); **H01J 23/15** (2013.01 - EP KR); **H01J 25/587** (2013.01 - EP KR); **H01J 2229/7031** (2013.01 - KR)

Citation (search report)

- [X] EP 1718119 A1 20061102 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [I] JP H11233036 A 19990827 - MATSUSHITA ELECTRONICS CORP
- [A] EP 1261015 A2 20021127 - SANYO ELECTRIC CO [JP] & JP 2002343263 A 20021129 - SANYO ELECTRIC CO

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 09166085 A 20090722**; CN 200910160534 A 20090722; JP 2008189971 A 20080723; KR 20090067217 A 20090723