

Title (en)

Strapped magnetron with frequency stabilisation.

Title (de)

Magnetrone mit Abgleichringen und Frequenzstabilisierung.

Title (fr)

Magnétrons strapés à stabilisation de fréquence.

Publication

EP 0519803 A1 19921223 (FR)

Application

EP 92401664 A 19920616

Priority

FR 9107673 A 19910621

Abstract (en)

The present invention relates to a strapped magnetron including a central cathode (23) surrounded by a crown-like anode with radial vanes (21, 22) directed towards the cathode (23). The vanes are either even (22) or odd (21). At least one pair of concentric rings (3, 3') are connected electrically to the vanes (3, 3'). The odd vanes (21) are thicker than the even vanes (22). All the vanes present the same cross section to the cathode (23). The ring (3) of large diameter is connected to the odd vanes (21) and the ring (3') of small diameter is connected to the even vanes (22). <IMAGE>

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IPC 8 full level

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CPC (source: EP)

H01J 23/20 (2013.01); **H01J 23/22** (2013.01); **H01J 25/587** (2013.01)

Citation (search report)

- [A] GB 666559 A 19520213 - US COMMERCE
- [A] GB 2173636 A 19861015 - M O VALVE CO LTD
- [A] US 3289037 A 19661129 - WHITMORE EDWARD J
- [A] US 2852720 A 19580916 - CRAPUCHETTES PAUL W
- [A] US 2810094 A 19571015 - DERBY PALMER P, et al
- [A] EP 0316092 A1 19890517 - EEV LTD [GB]
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 151 (E-906)(4094) 22 Mars 1990 & JP-A-2 010 634 (MATSUSHITA ELECTRIC IND CO LTD) 16 Janvier 1990
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 133 (E-404)(2190) 17 Mai 1986 & JP-A-60 262 332 (TOSHIBA K.K.) 25 Décembre 1985
- [A] WORLD PATENTS INDEX Week 7902, 1979 Derwent Publications Ltd., London, GB; AN 79-A3540B [02] & SU-A-593 267 (PAKULIN) 11 Avril 1978

Cited by

EP0915494A3; GB2331180A; GB2331180B; GB2277636A; US5483123A; GB2277636B; GB2289370A; FR2719944A1; US5680012A; GB2289370B; US6339294B1

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