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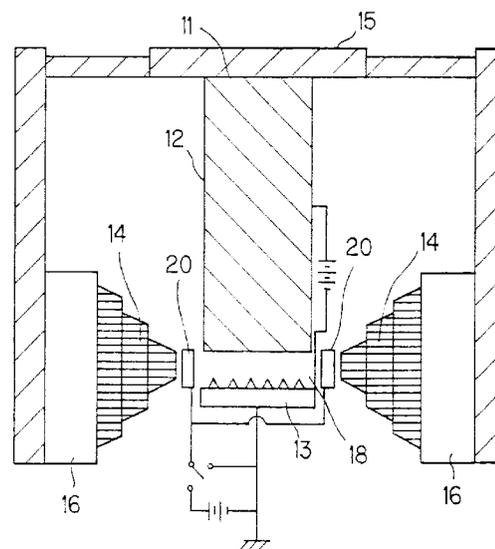
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(54) A plate-type magnetron

(57) A plate-type magnetron has a cathode (13) for emitting electrons and plate shaped anode (11) having a multiple number of vanes (12) arranged at regular intervals thereon, forming an interaction space (18). Provided on both sides of the interaction space are a pair of pole pieces (14) which are formed of bellows, and hence flexible in their length, and an adjustable magnetic portion (16). A yoke (15) is provided, which is used to alter the distance between the magnets, so that the frequency of the microwaves can be changed. A pair of electrodes (20) arranged facing each other perpendicularly to the magnetic field on both sides of the interaction space (18) is also provided, and the applied voltage to the electrodes is changed to thereby change the output power of microwaves.

FIG.5



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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A	US 3 932 820 A (DAMON LIONEL ET AL) 13 January 1976 * column 3, line 47 - column 3, line 51; figures 3-5 * ---	1-5	
A	US 2 496 500 A (SPENCER P. L.) 7 February 1950 * column 1, line 39 - column 2, line 15 * ---	1-4	
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-The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 June 1998	Examiner Zuccatti, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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