



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 30 0549

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)
X A	GB 2 107 111 A (VARIAN ASSOCIATES) * page 2, line 62 - line 67 * * page 3, line 1 - line 2 * * page 3, line 53 * * page 5, line 40 - line 41 * * page 5, line 55 * * page 5, line 60 - line 62 * * page 5, line 96 - line 105 * * figures 1,3 * ---	1 5	H01J23/087 H01J25/10 H01J23/20
Y	PATENT ABSTRACTS OF JAPAN vol. 009, no. 102 (E-312), 4 May 1985 & JP 59 228342 A (NIPPON DENKI KK), 21 December 1984, * abstract *	1-6	
Y	GB 772 091 A (SIEMENS & HALSKE AKTIENGESELLSCHAFT) * page 1, line 10 - line 17 * * page 1, line 34 - line 54 * * page 2, line 56 - line 60 * * page 3, line 26 - line 64 * * figures 5A,5B *	1-6	
Y	GB 2 089 562 A (VARIAN ASSOCIATES) * page 1, line 5 - line 7; figure 1 * * page 1, line 107 - line 116 * * page 2, line 30 - line 43 *	1,3-6	
Y	GB 787 290 A (SIEMENS & HALSKE AKTIENGESELLSCHAFT) * page 1, line 9 - line 26 * * page 1, line 58 - line 68 * * page 2, line 4 - line 8; figures 3,4B * --- -/--	1,3	
-The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 April 1998	Examiner MARTIN VICENTE, A
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	

EPO FORM 1503 03/82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-6



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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)
Y	US 4 862 128 A (LEUPOLD HERBERT A) * column 1, line 10 - line 17 * * column 1, line 42 - line 45 * * figures 2-5,7 * ---	1,3	
Y	DE 14 91 452 A (SIEMENS AG) * page 1, line 1 - page 2, line 7 * * figures * ---	1,3,4	
P,X	IWAGAMI Y ET AL: "A HIGHPOWER AND COMPACT KLYSTRON FOR DBS BAND" NEC RESEARCH AND DEVELOPMENT, vol. 37, no. 1, 1 January 1996, pages 35-40, XP000584194 * page 37, last paragraph * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
-The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 April 1998	Examiner MARTIN VICENTE, A
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03.92 (P04001)



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 96 30 0549

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-6

Klystron with a plurality of magnets arranged in a ring

2. Claims: 7-9

Multi-beam klystron with means to prevent diffusion of the plurality of electron beams