

12

EUROPEAN PATENT APPLICATION

21 Application number: **87108040.4**

51 Int. Cl.³: **H 01 J 35/10**

22 Date of filing: **03.06.87**

30 Priority: **13.06.86 US 874230**

43 Date of publication of application:
16.12.87 Bulletin 87/51

88 Date of deferred publication of search report: **13.07.88**

84 Designated Contracting States:
AT DE FR GB NL

71 Applicant: **GENERAL ELECTRIC COMPANY**
1 River Road
Schenectady New York 12305(US)

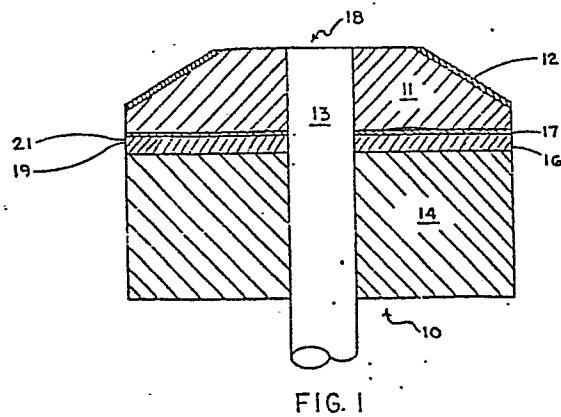
72 Inventor: **Lux, Andrew Leslie**
28219 Osborn Road
Bay Village Ohio 44140(US)

72 Inventor: **Guezuraga, Robert Michael**
1812 Summerhill Drive
Roseville California 95678(US)

74 Representative: **Catherine, Alain et al,**
General Electric France Service de Propriété Industrielle
18 Rue Horace Vernet B.P. 76
F-92134 Issy-les-Moulineaux Cedex(FR)

54 **X-ray tube target.**

57 A composite target for an x-ray tube has a graphite substrate portion (14) and a metal portion (11), the two portions being bonded together by successive interspersed layers (16, 17) of platinum and tantalum. The platinum layer is disposed between the graphite substrate portion and the tantalum layer. The tantalum layer acts to bond the metal portion to the platinum layer and also acts as an isolator to prevent the formation of carbides by migration through the bonding layers.





European Patent
Office

EUROPEAN SEARCH REPORT

0249141
Application Number

EP 87 10 8040

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.4)
Y	US-E- 31 568 (T.M. DEVINE) * Column 1, line 1 - column 4, line 48; figure * & US-A-4 145 632 (Cat. D)	1	H 01 J 35/10
A	---	2,4-6,9	
Y	US-A-3 890 521 (A. SHROFF) * Whole document *	1	
A	---	4,6,9	
A	EP-A-0 037 956 (TOKYO SHIBAURA DENKI K.K.) * Page 1, line 18 - page 4, line 20; page 6, line 29 - page 7, line 6; figures 1,2 *	1,4,6,7	
A	US-A-3 122 424 (D.P. KING) * Column 1, line 1 - column 2, line 40; figures 1,2 *	1,2,4,6,7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H 01 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-02-1988	Examiner GNUGESSER H.M.
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	