

12 EUROPEAN PATENT APPLICATION

21 Application number: 82302091.2

51 Int. Cl.<sup>3</sup>: H 01 J 29/86

22 Date of filing: 23.04.82

30 Priority: 19.05.81 GB 8115377

43 Date of publication of application:  
15.12.82 Bulletin 82/50

88 Date of deferred publication of search report: 12.01.83

84 Designated Contracting States:  
DE FR NL

71 Applicant: The Secretary of State for Defence in Her  
Britannic Majesty's Government of The United Kingdom  
of Great Britain and  
Northern Ireland Whitehall  
London SW1A 2HB(GB)

72 Inventor: Glasper, John Lewis  
Eastlea, Homend Crescent  
Ledbury Herefordshire(GB)

72 Inventor: Robbins, David John  
2 Mark Close  
Malvern Worcestershire(GB)

74 Representative: Edwards, John Brian et al,  
Procurement Executive Ministry of Defence Patents 1 A  
(4), Room 2014 Empress State Building Lillie Road  
London SW6 1TR(GB)

54 Cathode ray tubes.

57 A cathode ray tube (1) (C.R.T.) comprises an envelope (2) having a fibre optic face plate (4) formed of light transmitting fibres (6) in a light absorbing matrix (7). Islets (8) of phosphor are arranged in register with the fibres (6). A thin electrically conducting layer (9) covers the islets and inner face of the face plate. The islets (8) are formed by covering the face plate (4) with a phosphor layer (5) then a layer of photo resist (10). The photo resist (10) is exposed to light transmitted along the fibres (6) thereby providing a mask for removing phosphor not in register with a fibre (6). The photo resist may be a single layer of negative resist, or a layer of negative resist followed by a barrier layer and a layer of positive resist.

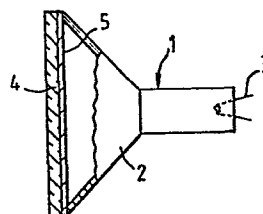


Fig.1



European Patent  
Office

# EUROPEAN SEARCH REPORT

0066948  
Application number

EP 82302091.2

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US - A - 3 887 724 (DIAKIDES) * Totality *	1-3	H 01 J 29/86
	--		
A	US - A - 2 996 402 (FELDMAN) * Column 1, lines 20-27 *	4,5	
	--		
A	US - A - 3 237 039 (FYLER) * Column 1, lines 34-72; column 2, lines 1-4; claims 1-4 *	1,2,6	
	--		
A	US - A - 3 303 374 (FYLER) * Claims 1,2; fig. 1 *	1,6	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)  H 01 J 29/00
	--		
A	GB - A - 1 267 783 (MATSUSHITA) * Claim 1; fig. 1 *	1,2,6	
	----		
			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
X	The present search report has been drawn up for all claims		
Place of search		Date of completion of the search	Examiner
VIENNA		21-10-1982	VAKIL