




**EUROPEAN PATENT APPLICATION**


 Application number: **82306565.1**

 Int. Cl.⁴: **H 01 J 29/72, H 01 J 31/20**

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**Bulletin 83/32**


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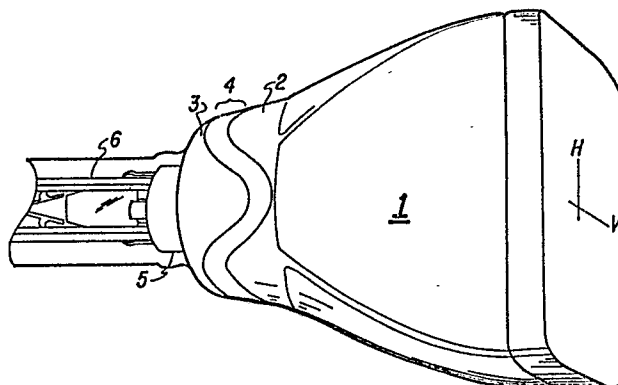
 Designated Contracting States: **CH DE FR GB IT LI NL SE**

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 **Cathode ray tubes.**

 The horizontal and vertical deflection factors for a split anode beam penetration color CRT are compensated for changes and remain constant as trace color is varied. In an electro-statically deflected tube a correction lens (17) near an expansion mesh (21) and electrically connected to the split anode faceplate alters the radial velocities of electrons leaving the mesh such that their point of impact upon the faceplate is unaffected by changes in axial velocity induced to change trace color. In a magnetically deflected tube a correction lens (55) in the neck near the entrance to the deflection yoke is supplied with a voltage that varies in conjunction with that of the faceplate. The axial velocity of the electrons in the region of magnetic deflection is adjusted to produce amounts of deflection that remain constant despite changes in the faceplate voltage.



**EP 0 085 238 A3**



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. *)
A	<p><u>GB - A - 1 162 149</u> (INTERNATIONAL POLAROID CORPORATION)</p> <p>* Page 1, line 63 - page 2, line 27 and page 2, lines 50-84 and page 4, lines 6-87; figure 1 *</p> <p>--</p>	5,6,9 1,8	H 01 J 31/20 29/72
A	<p><u>GB - A - 1 467 812</u> (EMI LIMITED)</p> <p>* Page 1, line 62 - page 2, line 101; figure 1 *</p> <p>--</p>	1,8	
A	<p><u>FR - A - 1 550 161</u> (N.V. PHILIPS GLOEILAMPENFABRIEKEN)</p> <p>* Page 4, left-hand column, line 31 - right-hand column, line 16; figure 4 *</p> <p>--</p>	1,2,4, 10	TECHNICAL FIELDS SEARCHED (Int. Cl. *)  H 01 J 31/00 29/00
A	<p><u>US - A - 2 681 426</u> (K.SCHLESINGER)</p> <p>* Column 4, lines 29-69 and column 6, line 57 - column 7, line 61; figure 5 *</p> <p>--</p>	1,2	
A	<p><u>FR - A - 2 091 547</u> (SIEMENS A.G.)</p> <p>* Page 3, line 22 - page 4, line 23; figures 1,2 *</p> <p>--</p>	1,2	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 31-12-1984	Examiner DAGLISH
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			



**CLAIMS INCURRING FEES**

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

- All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- Only part of the claims fees 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 claims:
- 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 requirement of unity of invention and relates to several inventions or groups of inventions, namely:

- 1) Claims 1-4,8,10,11: Correction of deviation error by variation in radial beam velocity (after main deflection)
- 2) Claims 5-7,9: Correction of deviation error by variation in axial velocity of beam (during main deflection)

- 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 has 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:



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	<p><u>US - A - 3 983 444</u> (C.J. ODENTHAL)</p> <p>* Column 3, lines 19-37; figure 1 *</p> <p style="text-align: center;">--</p>	1,3,8,10,11	
A	<p><u>US - A - 4 142 133</u> (G.D. BALANDIN et al.)</p> <p>* Column 1, lines 37-57 and column 3, line 34 - column 4, line 34 and column 4, line 56 - column 5, line 24; figures 1,3 *</p> <p style="text-align: center;">--</p>	5,6,9	TECHNICAL FIELDS SEARCHED (Int. Cl. 7)
A	<p><u>US - A - 2 803 781</u> (B.F. JURGENS)</p> <p>* Column 3, line 24 - column 4, line 40, figures 1-3 *</p> <p style="text-align: center;">-----</p>	5,9	