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Power on demand beam deflection system for dual mode crt displays.

A cathode ray tube beam deflection system operable in slew and random stroke and periodic raster display modes provides automatic power supply voltage switching (16, 18) to maintain linear operation and high efficiency. Control of automatic switching is obtained by continuously monitoring yoke voltage, yoke current, and deflection voltage, a power supply voltage being switched to a voltage of higher magnitude to provide a higher deflection rate when the yoke voltage exceeds a predetermined level at a predetermined current polarity and returned to a power supply voltage of lower magnitude when the higher deflection rate is no longer required.

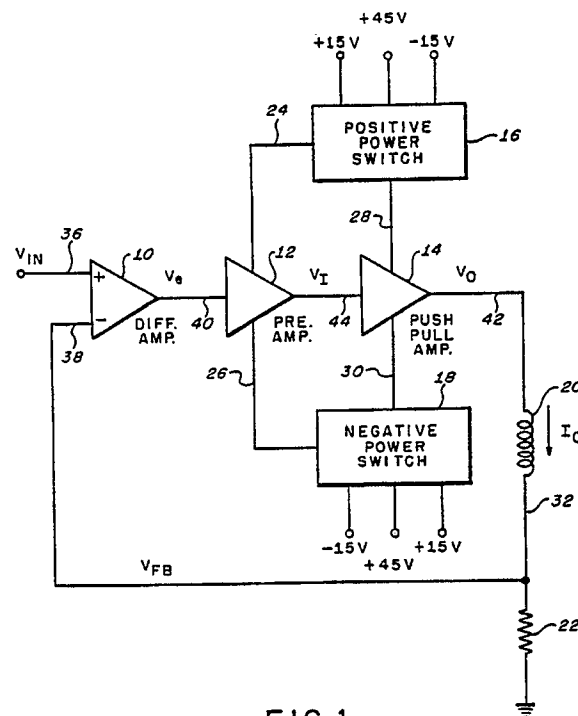


FIG.1.

EP 0 251 521 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.4)
A	US-A-3 859 557 (J.H. GRANT R.W. PAULY) * Figures 1-3; abstract; column 1, line 51 - column 2, line 28; column 2, line 54 - column 5, line 61 * ---	1,5-7	H 03 K 4/69 G 09 G 1/04
A	US-A-3 887 842 (A. OWENS, Jr. D. WEINSTEIN) * Figure 2; abstract; column 2, lines 1-51; column 3, line 9 - column 5, line 7 * -----	1,2,5-7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 09 G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14-06-1990	Examiner VAN ROOST L. L. A.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			