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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5 : H04N 3/223, 5/262

A1

(11) International Publication Number: WO 91/19378

(43) International Publication Date: 12 December 1991 (12.12.91)

(21) International Application Number: PCT/US91/03822

(22) International Filing Date: 30 May 1991 (30.05.91)

(30) Priority data:
9012326.6 1 June 1990 (01.06.90) GB

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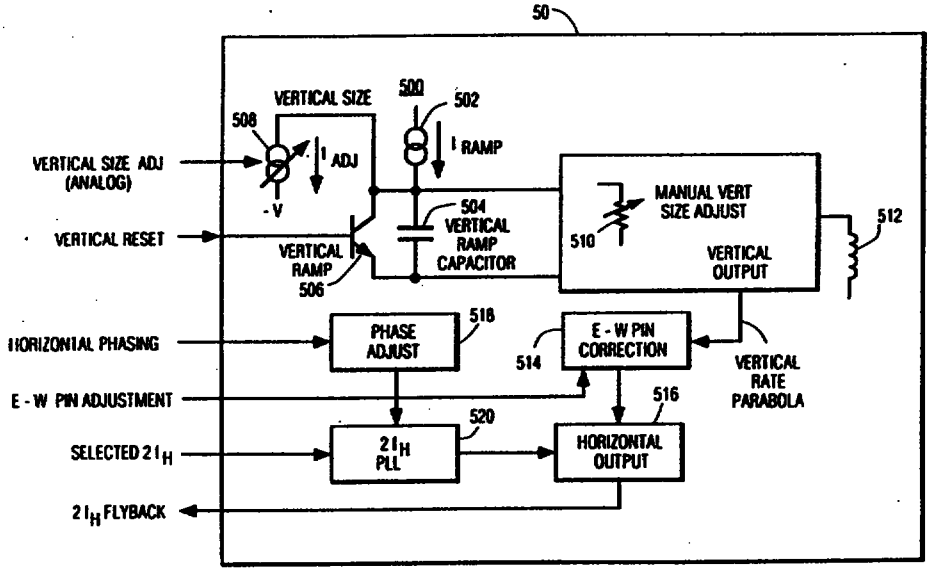
☑ Description : paged 1 to paged 31
☑ Claim(s) : paged 32 to paged —
☑ Drawing(s) : paged 1/12 to paged 12/12
☑ Abstract : paged ..... to paged .....

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(81) Designated States: AT (European patent), AU, BB, BE (European patent), BF (OAPI patent), BG, BJ (OAPI patent), BR, CA, CF (OAPI patent), CG (OAPI patent), CH (European patent), CI (OAPI patent), CM (OAPI patent), DE (European patent), DK (European patent), ES (European patent), FI, FR (European patent), GA (OAPI patent), GB (European patent), GN (OAPI patent), GR (European patent), HU, IT (European patent), JP, KP, KR, LK, LU (European patent), MC, MG, ML (OAPI patent), MR (OAPI patent), MW, NL (European patent), NO, PL, RO, SD, SE (European patent), SN (OAPI patent), SU, TD (OAPI patent), TG (OAPI patent), US.

Published
With international search report.

(54) Title: VERTICAL ZOOM AND PANNING FOR TELEVISION



(57) Abstract

A display system controls vertical zoom and panning. A video display has a first format display ratio. A circuit (30), for example one generating a raster, maps on the video display an adjustable picture display area represented in a video signal having a vertical synchronizing component. The picture represented in the video signal has a second format display ratio. A vertical height control circuit (500) for example one controlling the vertical height of the raster by controlling the vertical deflection current, selectively enlarges the picture display area relative to the video display. A panning control circuit (518) adjusts in phase a vertical blanking interval relative to the vertical synchronizing component to control which portion of the enlarged picture area is displayed and which portion is not displayed. The format display ratios can be the same or different, for example 16 X 9 for the video display and 4 X 3 for the picture, in the latter case.