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**Waveform displaying device.**

A waveform displaying device, in which a measured analogue signal is converted into a digital signal by means of an analogue to digital converter and thereafter the digital signal is directly inputted in a display device (19) such as a raster scanning display, a liquid crystal display device, effecting the display while controlling the brightness of pixels so as to reproduce to display waveform of the measured analogue signal. In the present device the brightness of pixels is varied, depending on slew rate of the waveform, so that the brightness of interpolation lines is increased, when differences between inputted waveform data are small, and the brightness is decreased, when the differences are small. Further places, where the density of waveforms is high, are displayed brightly by accumulating the brightness thereof. In this way, since peculiar points in the waveforms such as points, at which the phase, the frequency or the amplitude is varied, are displayed as points, at which the brightness is varied, it is possible to find easily these points and further observation is easy, also in the case where a number of waveforms are displayed, superposed on each other.

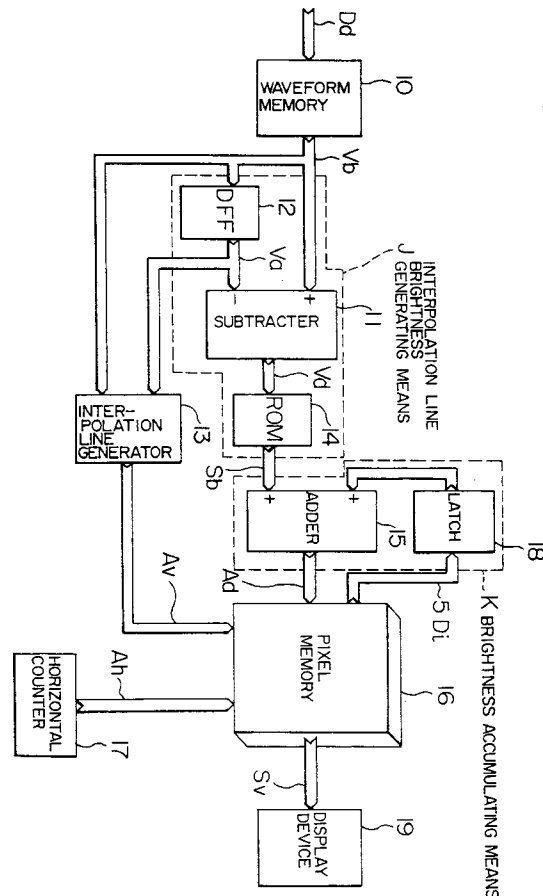


FIG. 1



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 4179

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.5)
A	EP-A-0 347 901 (ANRITSU CO.) 27 December 1989 * column 1, line 47 - column 2, line 29; figures 1-3,7 * * column 3, line 57 - column 4, line 44 * * column 5, line 36 - line 41 * ---	1,3	G09G1/16 G09G3/00 G01R13/26 G01R13/34
A	US-A-4 464 656 (NAKAMURA) 7 August 1984 * Abstract * * column 5, line 56 - column 6, line 62; figures 5-7,10,11 * * column 8, line 10 - line 62 * ---	1-3	
A	US-A-2 812 472 (C.L.WELLIVER) 5 November 1957 * column 1, line 41 - line 44; figure 1 * * column 1, line 59 - column 2, line 12 * -----	2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G09G G01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 MARCH 1993	Examiner CORSI F.
<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                      .....                      &amp; : member of the same patent family, corresponding document</p>			

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