

Title (en)
Waveform displaying device.

Title (de)
Wellenformanzeigegerät.

Title (fr)
Dispositif d'affichage de forme d'ondes.

Publication
EP 0457497 A2 19911121 (EN)

Application
EP 91304179 A 19910509

Priority
JP 12733590 A 19900516

Abstract (en)
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. <IMAGE>

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G01R 13/26; G01R 13/34; G09G 1/16; G09G 3/00

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G09G 1/162 (2013.01)

Cited by
EA033006B1; CN117233443A; US6961039B2; US7071909B2

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