CIRCUIT FOR AUTOMATIC DETECTION OF LETTER BOX PICTURES IN TV-RECEIVERS

ABSTRACT

A letter box picture detection means for receiving a video signal and for providing output signals indicating at least the start and end line of the active picture part of a picture represented by the received video signal, said means comprising: first means comprising means for comparing the brightness value of each pixel of a line of the picture against a first threshold value, counting means for counting the amount of pixels exceeding the first threshold value, and means for at least determining for each line whether or not the current line is an active area line of the picture, that determination being at least based on the count value provided by the counting means, second means for determining at least the start and end line of an active area of the picture based on the determination made for each line by the first means.

FIGURE 2