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VIDEO COMB FILTER

ABSTRACT

A multimode comb filter for comb filtering, e.g., NTSC and/or PAL video signals includes delay means for concurrently providing video signals representing first, second and third adjacent horizontal lines. First and second combining means
5 coupled to the delay means provide alternate 1-H comb filtered signals in both the NTSC and PAL modes. Control circuitry coupled to the delay means generates a control signal for adaptively selecting the one of the alternate 1-H comb filtered signals or appropriate proportions of both alternate 1-H comb filtered
10 signals to form an output comb filtered signal. In the NTSC mode the control circuitry generates the control signal from sums of vertically aligned pairs of samples from said first and second lines and from said second and third lines. In the PAL mode the control signal is generated from alternating sums and differences
15 of vertically aligned pairs of samples from said first and second lines and from said second and third lines.

Figure 3 & 4



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