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(54) Title: EVENT-BASED IMAGE PROCESSING

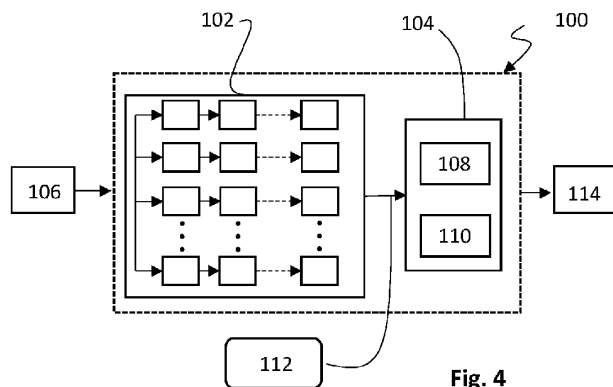


Fig. 4

(57) **Abstract:** Disclosed is an event-based image processing method. The method includes obtaining a time series of input signal data characterising information from an input source; applying a first stage of processing, wherein the first stage of processing comprises applying a compressive non-linearity to the input signal data; and applying a second stage of processing to an output from the first stage of processing. The second stage of processing comprises temporal and/or spatial processing in a feedback loop, to apply a high- or band-pass temporal filter and/or a high- or band-pass spatial filter to the output from the first stage of processing, to thereby suppress recurring changes, and improving an event to recurring change ratio in the output from the first stage of processing.