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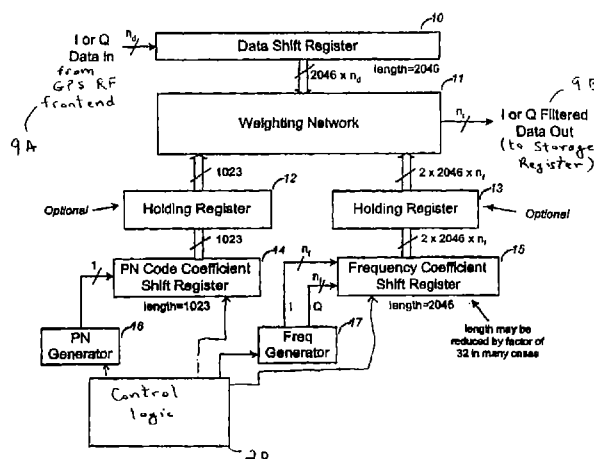
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(54) Title: METHODS AND APPARATUSES FOR PROCESSING OF GLOBAL POSITIONING SYSTEM SIGNALS WITH A MATCHED FILTER



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(57) Abstract: Methods and apparatuses for processing Satellite Positioning System (SPS) signals. In one exemplary method, a first set of frequency coefficient, which corresponds to a first Doppler frequency of an SPS signal, is determined, and said SPS signal is processed in a matched filter with the first set of frequency coefficients during a first window of time. A second set of frequency coefficients, which corresponds to a second Doppler frequency of the SPS signal, is determined, and the SPS signal is processed in the matched filter with the second set of frequency coefficients during a second window of time, where the first and second windows of time occur within a period of time which is not greater than one SPS frame period. In another exemplary method, a first SPS signal is processed in a matched filter with a first set of pseudonoise (PN) coefficients during a first window of time, where the first set of PN coefficients corresponds to the first SPS signal, and a second SPS signal is processed in the matched filter with a second set of PN coefficients (which correspond with the second SPS signal) during a second window of time, wherein the first window and the second windows occur within a period of time not greater than one SPS frame period.

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