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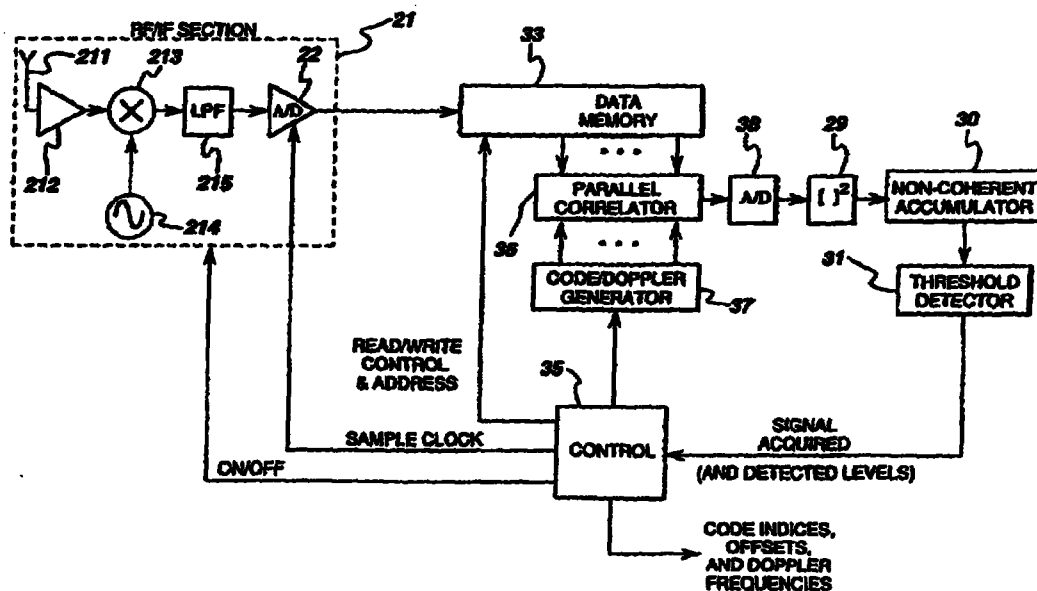


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(71) Applicant (for all designated States except US): GENERAL ELECTRIC COMPANY [US/US]; 1 River Road, Schenectady, NY 12345 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): TIEMANN, Jerome, Johnson [US/US]; 234 Union Street, Schenectady, NY 12305 (US). HARRISON, Daniel, David [US/US]; 583 Lake Road, Delanson, NY 12053 (US).			
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(54) Title: LOW POWER PARALLEL CORRELATOR FOR MEASURING CORRELATION BETWEEN DIGITAL SIGNAL SEGMENTS



(57) Abstract

Correlation between a pair of digital signal segments is measured by apparatus including a plurality of multipliers (1200). Each of the multipliers produces the product of a respective sample of each one of the signal segments. The outputs of a plurality of digital-to-analog (D/A) converters (1300) are coupled to a summer (80), while each respective one of the multipliers (1200) is coupled to the input of a respective one of the D/A converters (1300). The summer (80) produces an analog output signal equal to the sum of the analog output signals produced by the plurality of D/A converter.