

A Frequency Data Recorder with Multiple Generator Tracking

Disclosure Number

201202836

Technology Summary

The invention relates to real-time monitoring of electrical distribution networks and more specifically to a sensor for performing real-time measurements of frequencies in an electric power system at a point-of-load. The sensor has the characteristics of: a) cyber-security using hardware-accelerated cryptography; b) producing a high symbol rate; c) providing at that rate, average frequency and frequencies attributable to multiple generators; d) employing a timing system that can phase-lock all sensors ; and e) reducing the bill of materials cost.

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