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(54) COMPUTERIZED SYSTEM AND METHOD FOR AN IMPROVED SELF ORGANIZING NETWORK

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(57) **ABSTRACT**

Disclosed are systems and methods for a robust Self-Organizing Network (SON) framework that quantifies SON applications' control and management of a network into key performance indicators (KPI) that are leveraged to determine the impact of a SON application's effectiveness in regulating network parameters, which then dictates how the SON application operates. The disclosed framework is configured to receive multiple data streams from existing data sources, determine the performance of a node on a network, and then automatically perform SON operations based therefrom. The disclosed framework can utilize this information to predict additional and/or future opportunities for SON automation on the network, which can be based on an aggregate determination of a net performance gain (NPG) of the SON applications. The framework can leverage the NPG to modify, configure and/or further maintain network operations so as to improve control and management of the network and the applications operating thereon.