(54) **SMART GRID DISTRIBUTED OPERATIONS PLATFORM**

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(57) **ABSTRACT**

Systems and methods for a smart grid distributed operations platform. The system can include a data processing system comprising one or more processors, coupled with memory. The data processing system can identify a network connection with edge devices located on an electricity distribution grid, wherein each of the edge devices comprise a processor and memory. The data processing system can identify, based on a configuration associated with the edge devices, an application configured to perform a function to manage delivery of electricity via the electricity distribution grid. The data processing system can select a model from models trained with machine learning based on a local environment attribute associated with a location on the electricity distribution grid at which the edge devices are located. The data processing system can provide, for execution on the edge devices, the application configured with the model to perform the function to manage delivery of electricity.