



(57) **Abrégé(suite)/Abstract(continued):**

either full cluster performance or adequate SLA based cluster performance The method includes receiving at least one state data point regarding power consumption or temperature of at least one resource within the compute environment Using intelligent policies to control power consumption, the method implements and interfaces with power managements facilities within the cluster, grid or on-demand center to either implement policies, make dynamic changes, make predictions or actions, and so forth to reduce one or more of the direct or indirect power consumption associated with a compute environment The method can analyze current workload, future workload or both in taking energy saving actions in the environment

