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- (54) Title: ADAPTIVE STATE MANAGEMENT FOR STATELESS SERVICES

- (57) Abstract:** A computer-implemented method for controlling state updates in a cloud service environment may be provided. The method includes maintaining a set of state provider definitions, wherein each state provider definition comprising a set of required input variable definitions, a set of output variable definitions and related metadata. The method also includes determining a set of input variable definitions required by an invoked service, receiving the determined set of input variable definitions by the state provider management service, selecting a state provider definition, wherein the selected state provider definition is to be compatible with the received set of input variable definitions, determining a set of matching state provider services matching the selected state provider definition, scoring the determined set of state provider services, invoking the highest scoring state provider service, and passing the state data to the invoked service.

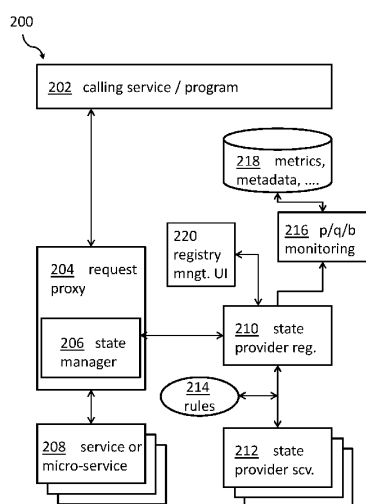


FIG. 2

EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
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