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(54) **Title:** A METHOD FOR RECOMMENDING AN OPERATIONAL COMMAND FOR AN INDUSTRIAL PLANT

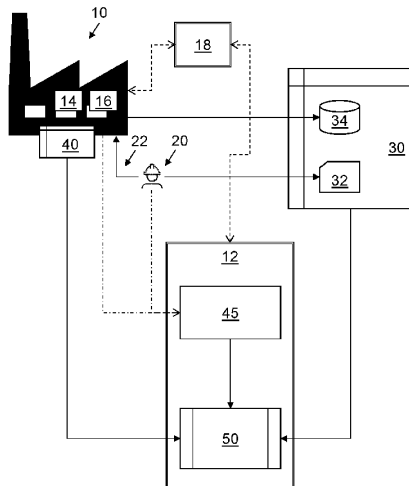


Fig. 1

(57) **Abstract:** The invention relates to the field of controlling industrial plants, particularly for controlling industrial plants by an operational command. The invention discloses a computer-implemented method for recommending an operational command (32), which is able to control at least one actuator (16) of the industrial plant (10). The method comprises the steps of: receiving an alarm (45) from at least one sensor and/or from an operator (20) of the plant (10), wherein the alarm (45) is related to a current state (40) of the plant (10); obtaining the current state (40) of the plant (10), the current state (40) comprising at least one current process value and/or at least one current operational command (22) related to the plant (10); comparing the current state (40) of the plant (10) to a list of historic states (30) of the plant (10), each historic state (30) comprising a plurality of historic process values (34) and/or at least one historic operational command (32) related to the plant (10); if the current state (40) matches to a subset of at least one of the historic states (30), starting a simulation, based on a simulation model (18) of the plant (10) and the matching historic state (30) as starting state; running a plurality of simulations, each simulation based on a variation of at least one of the historic operational commands (32); determining, for each simulation of the plurality of simulations, a quality value, based on at least one quality criterion; and recommending the variation of the operational command (32), which resulted in the simulation with the highest quality value.

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