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(54) Title: STRATEGY DRIVEN PLANNING SYSTEM AND METHOD OF OPERATION

(57) Abstract

A strategy driven planning system (10) is provided that includes a plan (14) defining a scheduled operation of a user environment. An environment (16) defines behavior and constraints of the user environment. A plurality of strategies (20) each defining a plan domain (22), problem selection criteria (24), plan optimality criteria (28), and termination criteria (32). A planning engine (12) is coupled to the plan (14), the plurality of constraints (16) and the plurality of strategies (20). The planning engine (12) is operable to identify a plurality of problems (18) by comparing the plan (14) to the behavior and constraints defined by the environment (16) and is operable to adjust the plan (14) according to a selected strategy. A user interface (28) is coupled to the planning engine (12). The user interface (28) is operable to allow a user to interact with the planning engine (12) in order to adjust the plan (14) and the environment (16) and to select and initiate execution of a selected strategy.

