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(54) Title: AGENT NETWORK COMPRISING ONE OR MORE AGENTS AND COORDINATOR AND METHOD FOR AGENT NETWORK

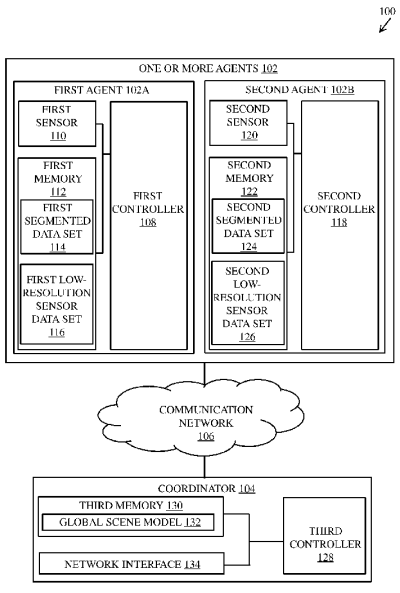


FIG. 1

(57) Abstract: An agent network comprising one or more agents and a coordinator, and each agent comprises a sensor and a controller. The controller is configured to receive sensor input from the sensor of a partial scene, identify features relevant for solving an action, generate a segmented data set and a low-resolution sensor data set, and send to the coordinator. The controller of the coordinator is configured to receive the first segmented data set and first low-resolution sensor data set and generate a model of a global scene based on a combination of the received data sets from the agents. Furthermore, receives a query from the first agent, determine a prompt for the query based on the global scene model, and transmit the prompt to the first agent. The controller of the first agent is configured to receive the prompt, reevaluate the sensor data, and perform a desired action.

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