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(54) **SYSTEM FOR SENSING ENVIRONMENTAL CONDITIONS**

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(57) **ABSTRACT**

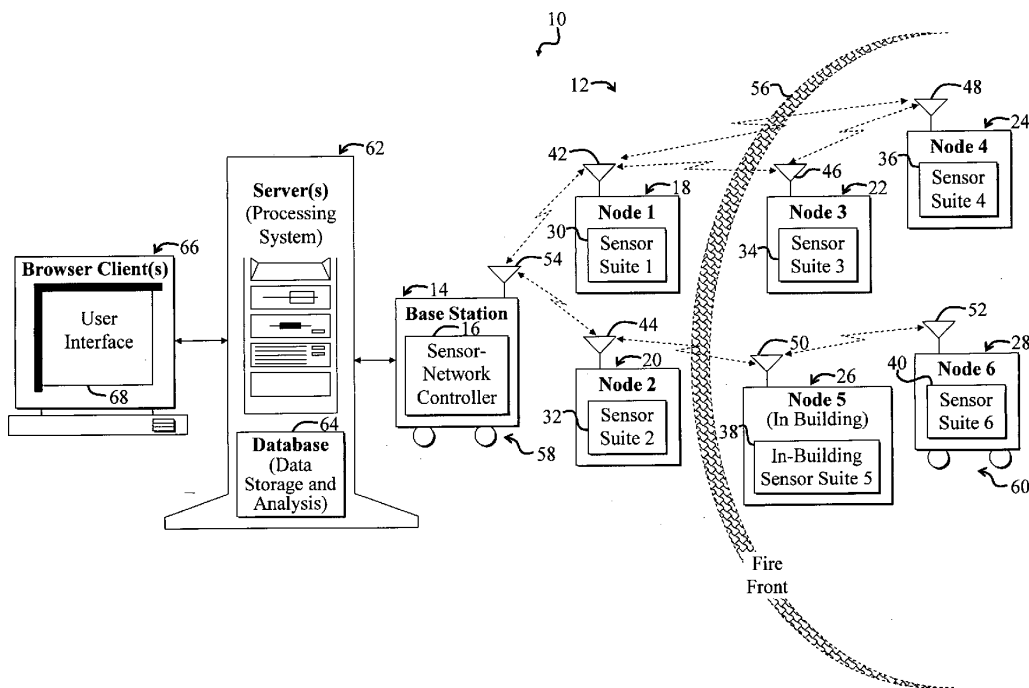
A system and method for facilitating measurement of environmental conditions such as might be used in emergencies or other situational awareness applications. The method includes dispersing several networked nodes in a region, the nodes being coupled to one or more sensors, and then employing the one or more sensors to sense one or more environmental conditions and providing sensed data in response thereto. In a more specific embodiment, the region exhibits a fire, and the method further includes utilizing the sensed data to predict fire conditions, such as fire movement and temperature. A controller may be employed to selectively adjust power to one or more sensors based on predetermined priorities associated with sensed data output from the one or more sensors.

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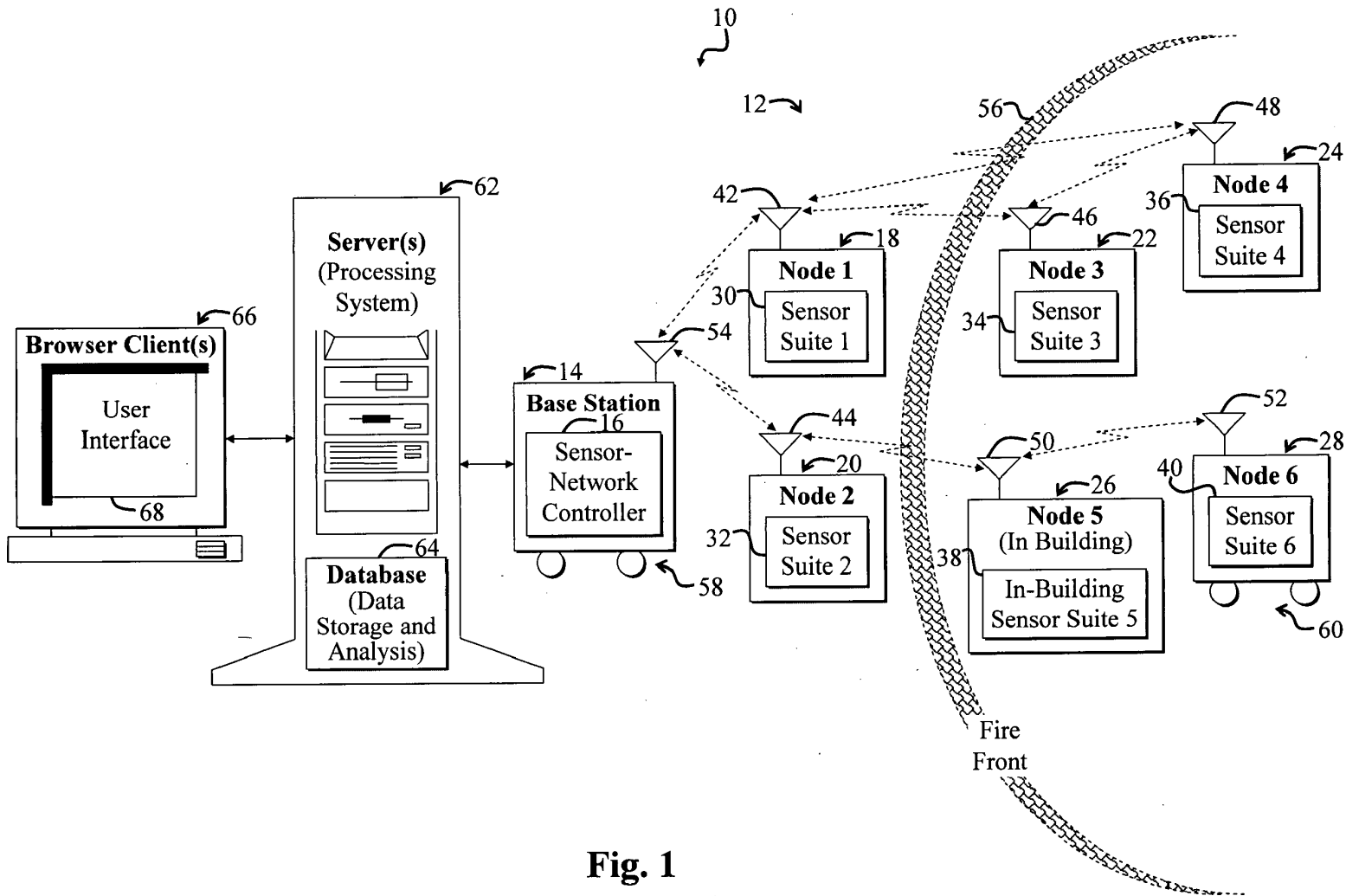


Fig. 1

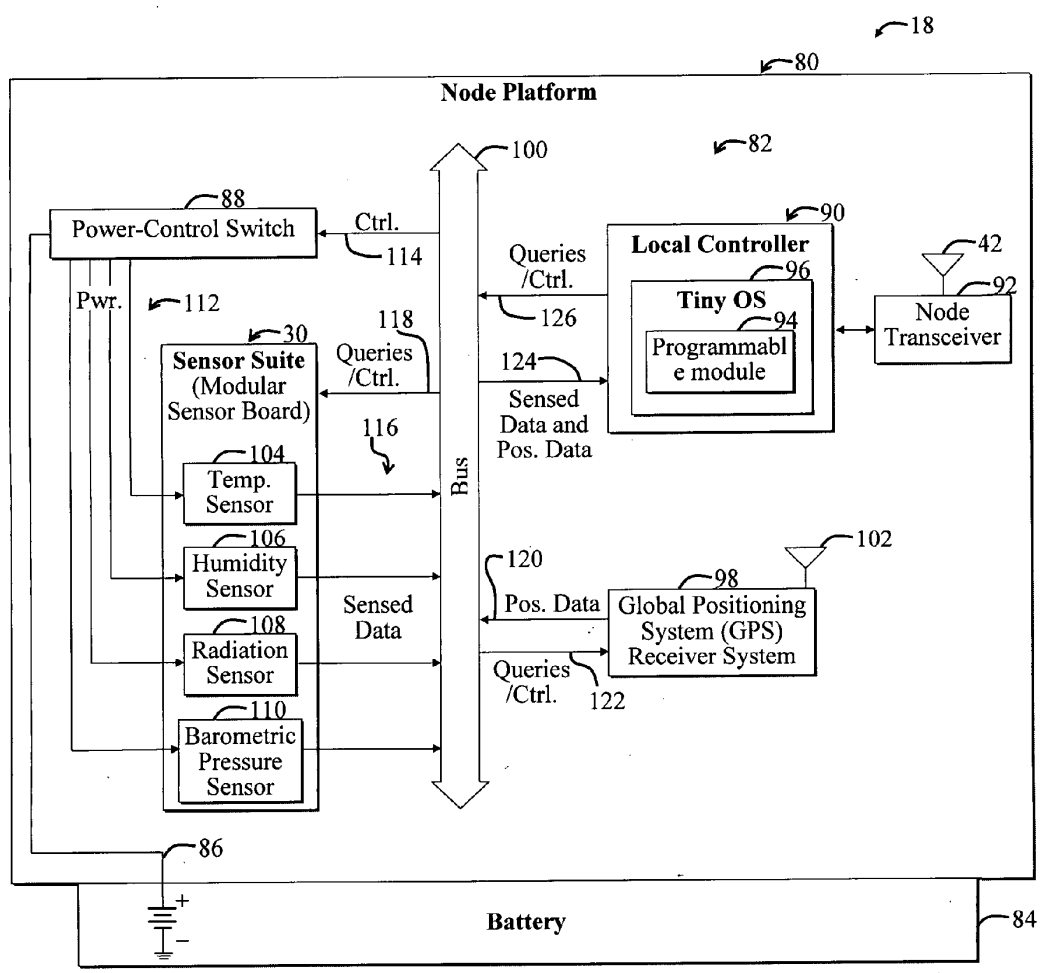


Fig. 2

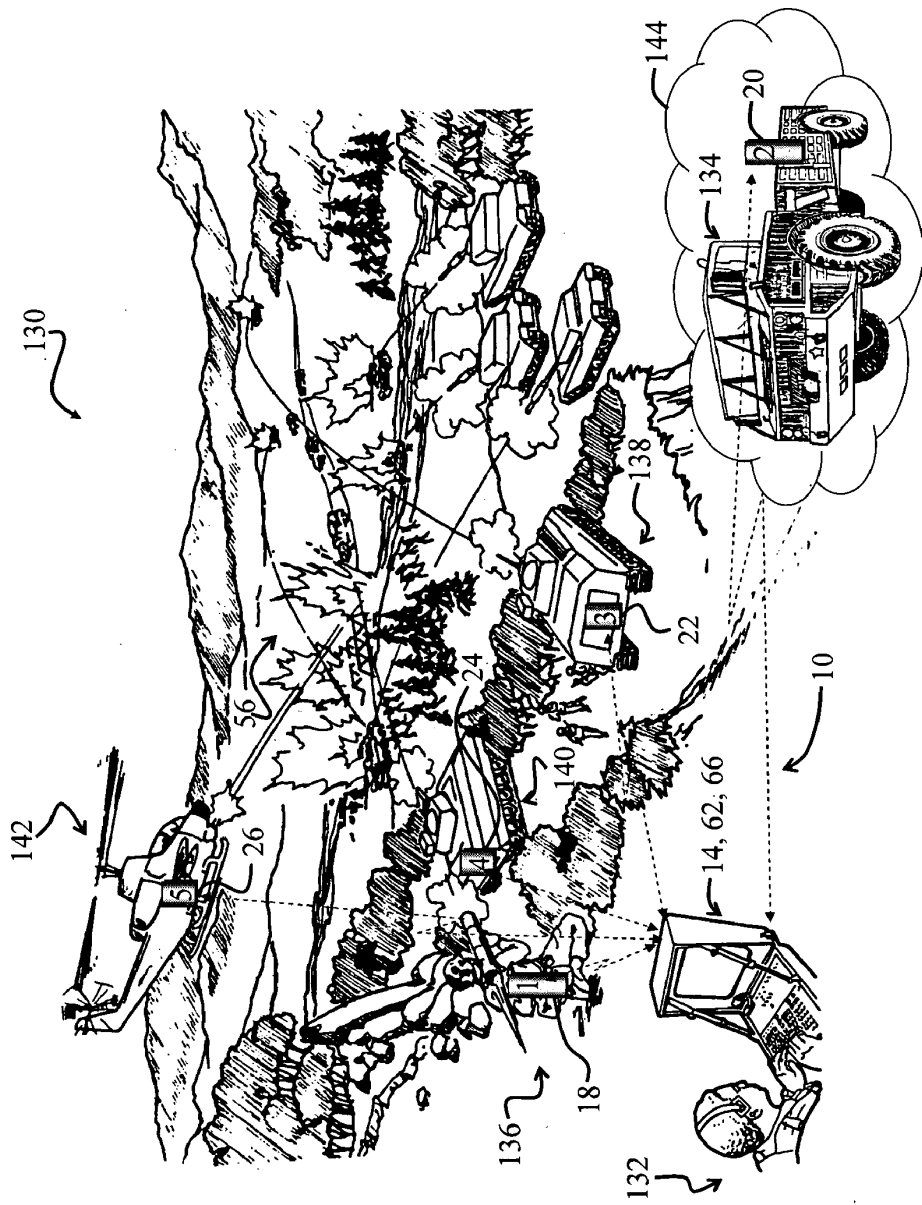


Fig. 3

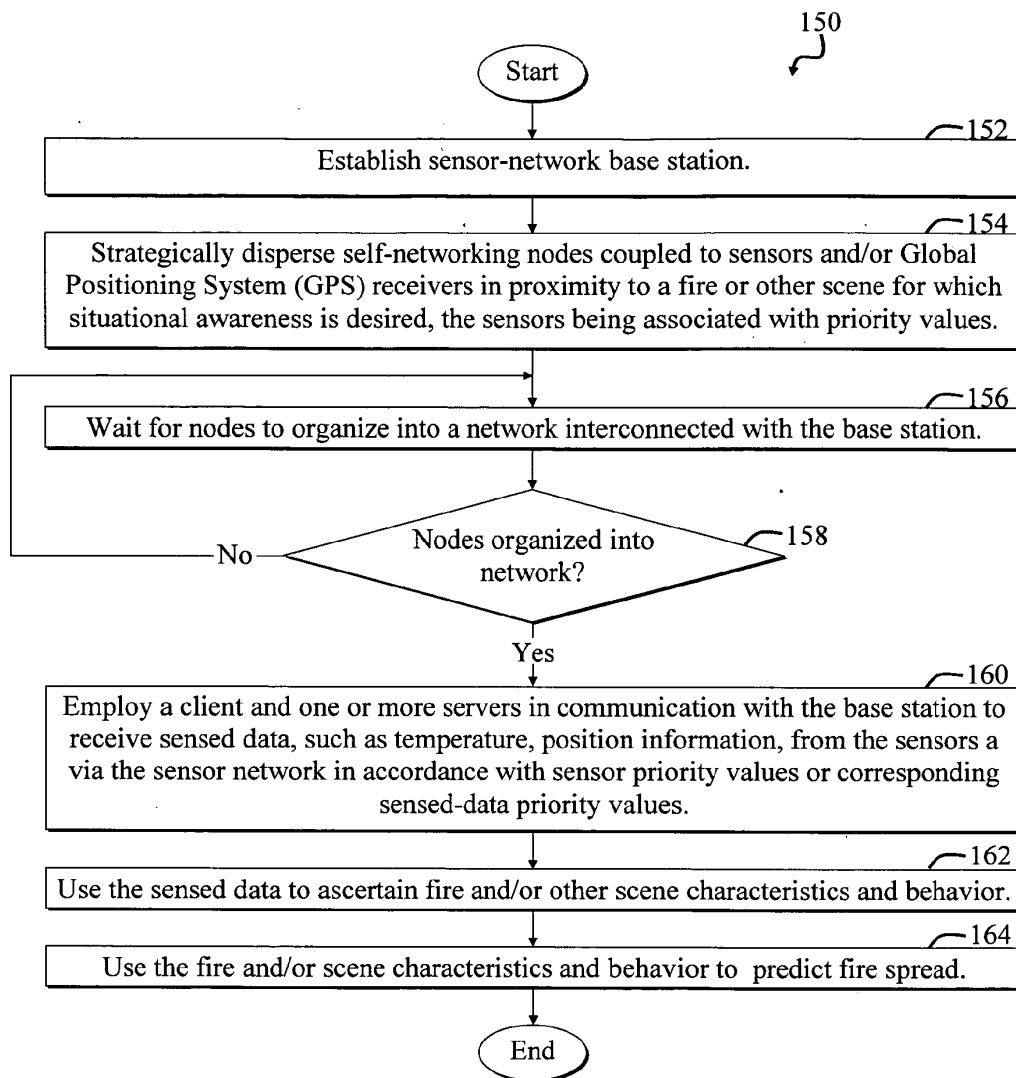


Fig. 4

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