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(54) **MOBILE, PERSONAL, AND NON-INTRUSIVE HEALTH MONITORING AND ANALYSIS SYSTEM**

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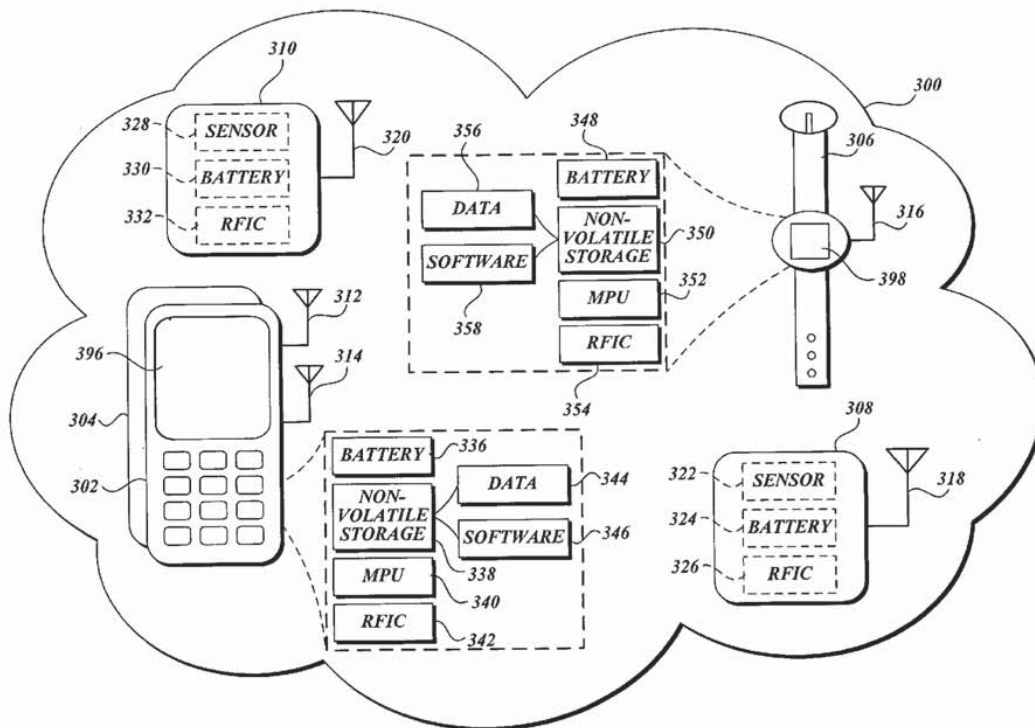
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(57) **ABSTRACT**

An open architecture, wireless personal area network for receiving, storing, processing, displaying and communicating physiological data. The wireless personal area network may include a personal server, such as a cellular phone, and a plurality of sensors to monitor physiological signs, the user's motion, the user's orientation, and environmental factors. The sensors wirelessly provide data to the personal server, which may store, process, display, and communicate the data. An open architecture allows additional sensors to join the network without rendering the personal server irrelevant.

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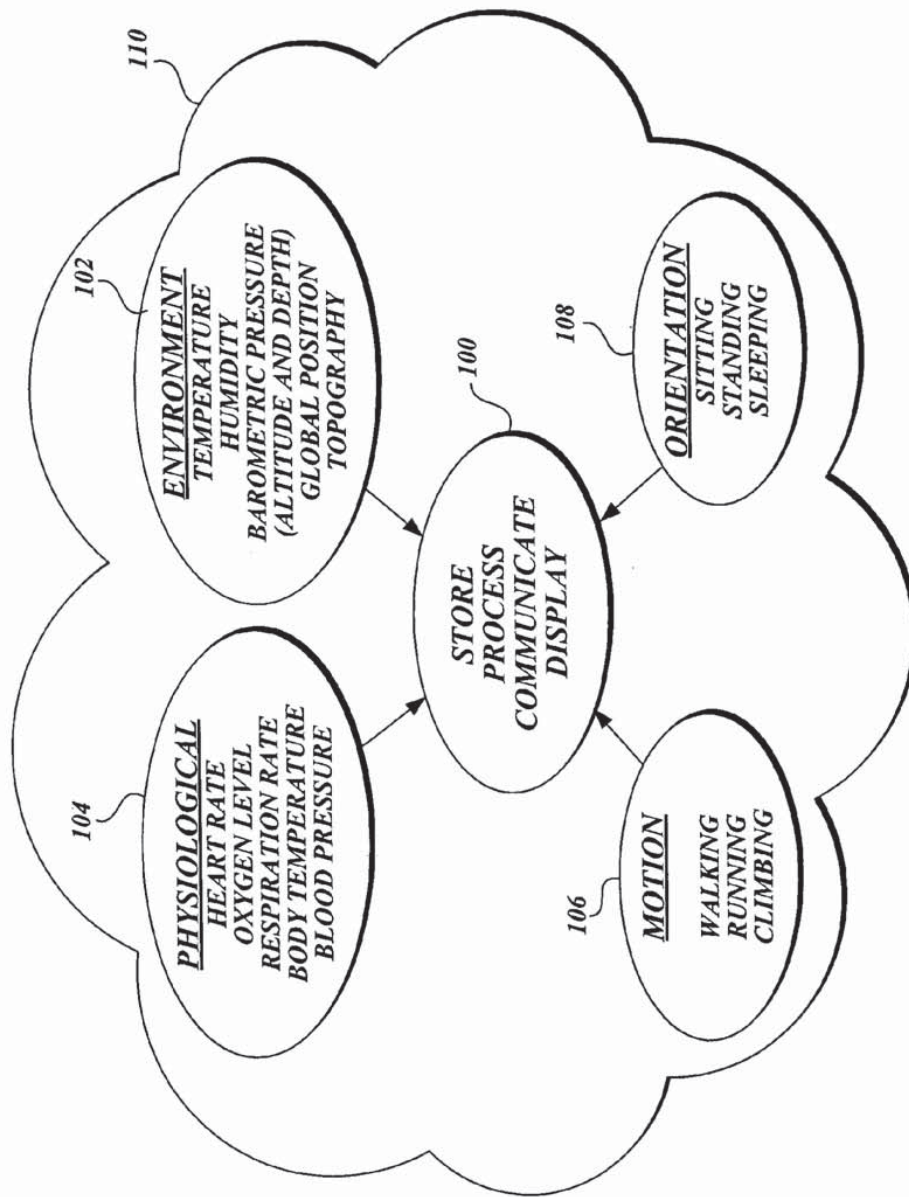
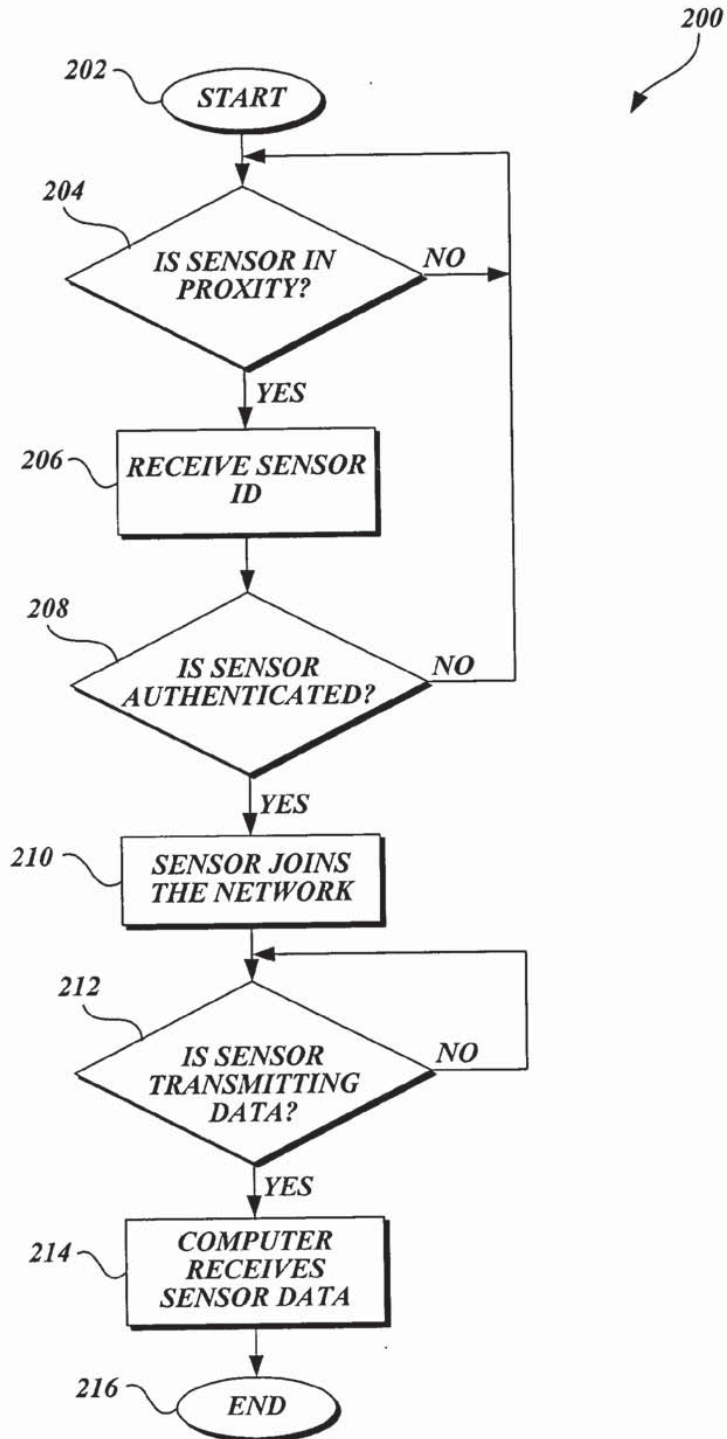


Fig. 1.



**Fig. 2.**

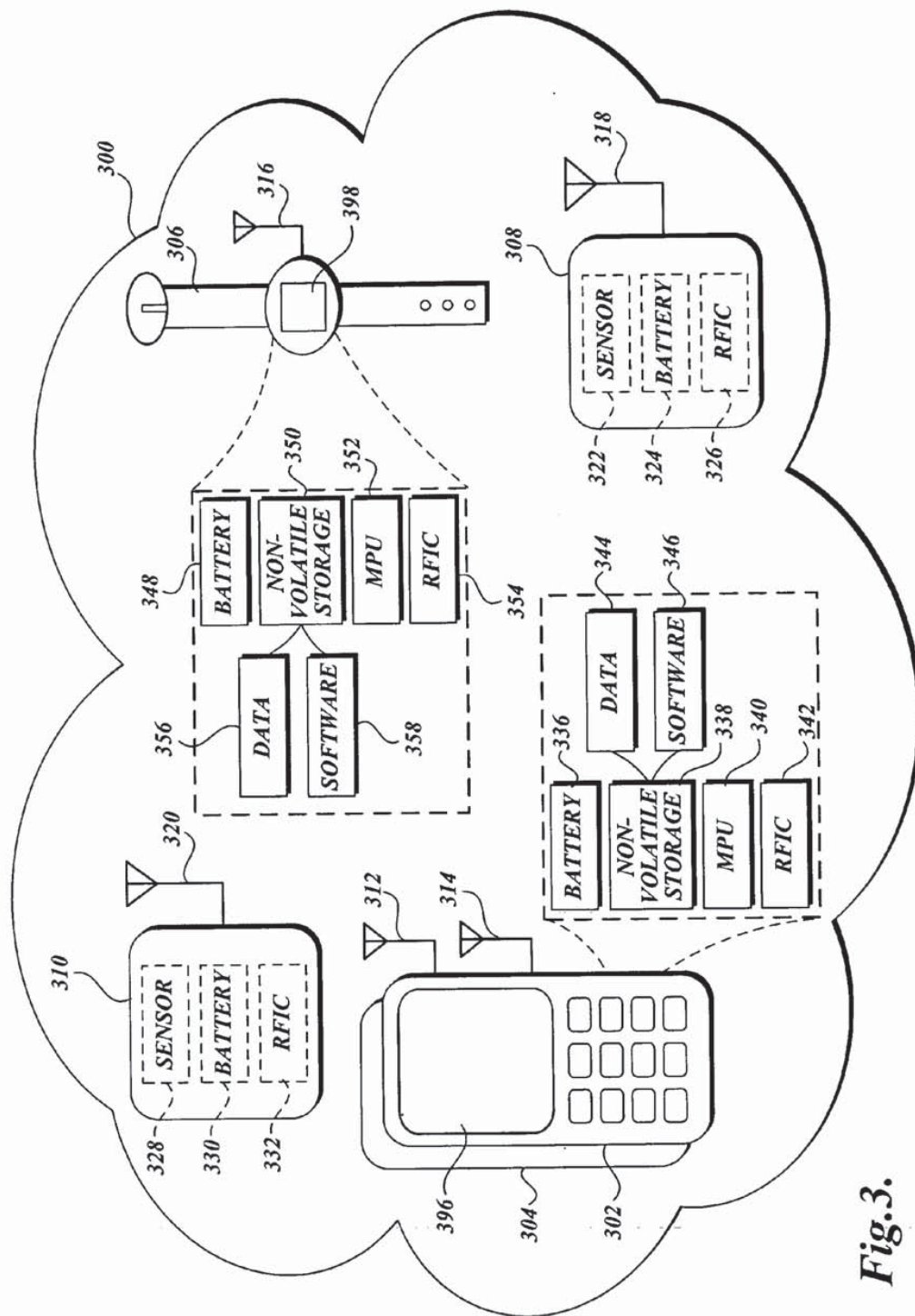
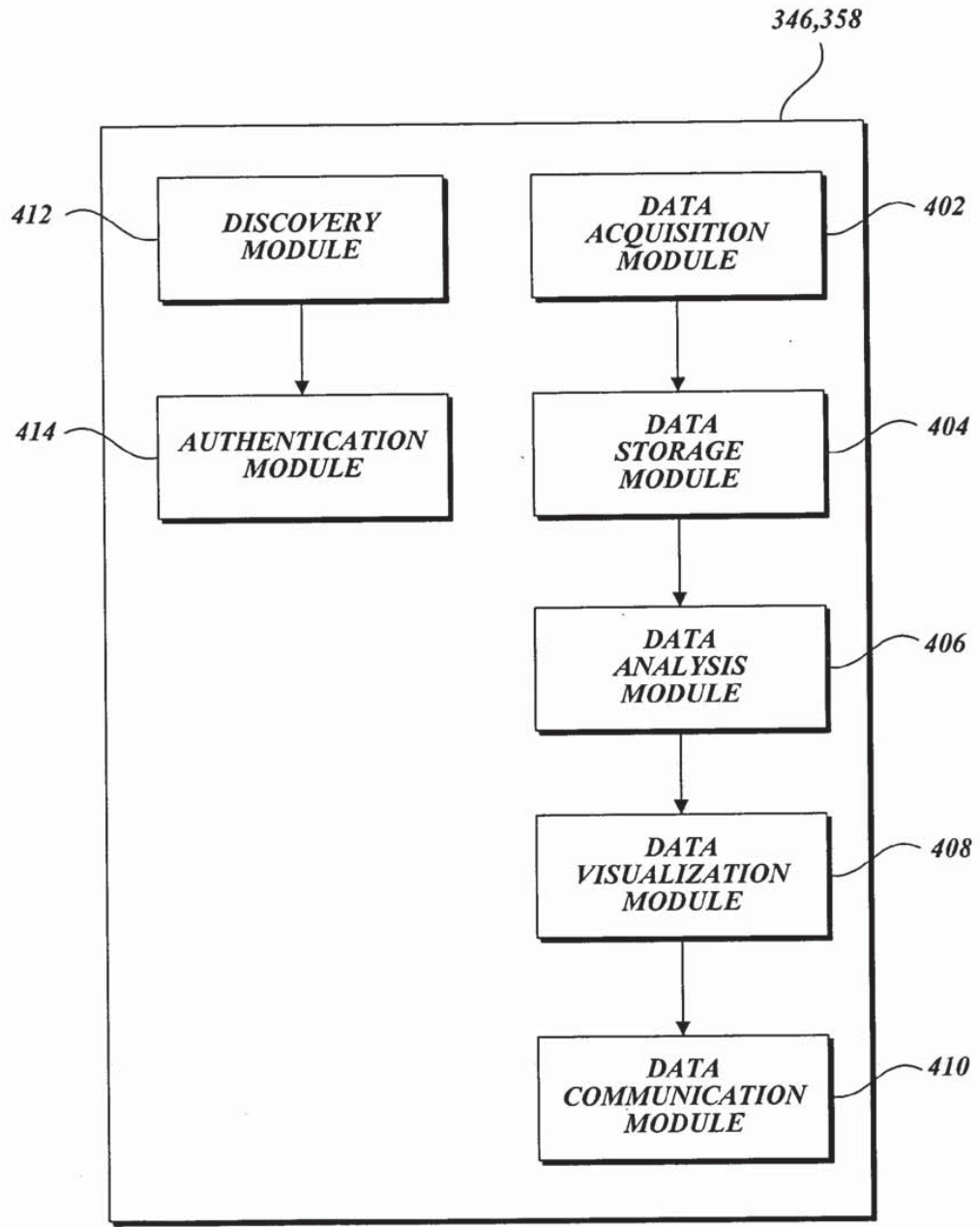


Fig. 3.



*Fig.4.*

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