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(54) **PRESSURE SENSING BASED LOCALIZATION AND TRACKING SYSTEM**

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- H04H 60/56** (2008.01)

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See application file for complete search history.

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(57) **ABSTRACT**

A locating and tracking system is provided. The locating and tracking system includes plural pressure sensing modules, each of which includes at least one pressure sensing unit detecting a pressure source and generating a signal; a data processing unit connected with the at least one pressure sensing unit, and processing the signal to generate a module information; a storage unit connected with the data processing unit, and storing the module information and an user information; a communication unit connected with the data processing unit, transmitting the module information, and receiving an outer information; and a power managing unit managing a power needed by the at least one pressure sensing unit, the data processing unit, the storage unit and the communication unit; a bottom board configured on a floor, and bearing the mentioned units; and a top board covering the mentioned units, and transferring the pressure source to the pressure sensing unit.

**21 Claims, 4 Drawing Sheets**

