

A METHOD FOR ASSOCIATING WIRELESS SENSORS TO PHYSICAL LOCATIONS

ABSTRACT

Mapping the physical location of each sensor of a network of wireless sensors in a configured environment, each sensor being in communication with a server and its database, is achieved by attaching RFID tags to objects in the environment which contain both object-relevant information and the MAC address of sensors proximate to those objects. The locations of the tags on the objects are proxies for the locations of the sensors identified on those tags. By reading the tags and up-loading the read tag information to the database, the association of the sensor and the object is known to the server and can be matched with the configuration of the environment to infer the location of each wireless sensor.

Fig.1