

Title (en)
WIRELESS SENSOR NETWORKS INSTALLATION, DEPLOYMENT, MAINTENANCE, AND OPERATION

Title (de)
DRAHTLOSE SENSORNETZWERKINSTALLATION, ANWENDUNG, WARTUNG UND BETRIEB

Title (fr)
INSTALLATION, DÉPLOIEMENT, MAINTENANCE ET FONCTIONNEMENT DE RÉSEAUX DE CAPTEURS SANS FIL

Publication
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Application
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- US 2020029859 W 20200424

Abstract (en)
[origin: WO2020219910A1] The present disclosure relates to wireless sensor networks installation, deployment, maintenance, and operation. A distributed network of wireless tags (12) enable a wide variety of different indoor and outdoor applications to be implemented, including asset finding, workflow automation, and internet-of-things applications. The physical premises environment (10) may be any location in which there are persons, places or things to be monitored, tracked, sensed, or inventoried, or other defined space. The distributed network of wireless tags (12) is associated with a wireless client device (14) that enables a customer to configure and retrieve status data, event data, and sensor data from wireless tags (12) and other components in the physical premises environment (10). Embodiments utilize different types of network nodes to collect data from the physical premises environment (10). Examples of the types of data that may be collected by the wireless tags include asset status information, event data, and sensor data.

IPC 8 full level
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Citation (search report)

- [I] US 2010201520 A1 20100812 - STERN MIKLOS [US], et al
- [A] US 2011074582 A1 20110331 - ALEXIS MARK [US]
- [A] WO 2018204625 A2 20181108 - INDUSTRIAL IO INC [US]
- See references of WO 2020219910A1

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