

Title (en)

LOW POWER PROTOCOLS AND PROCESSES FOR AN ALARM MONITORING SYSTEM

Title (de)

NIEDRIGLEISTUNGSPROTOKOLLE UND VERFAHREN FÜR EIN ALARMÜBERWACHUNGSSYSTEM

Title (fr)

PROTOCOLES ET PROCÉDÉS À FAIBLE CONSOMMATION DE PUISSANCE POUR SYSTÈME DE SURVEILLANCE ET D'ALARME

Publication

EP 3017435 A2 20160511 (EN)

Application

EP 14786262 A 20140505

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Abstract (en)

[origin: WO2014188282A2] The present invention provides a monitoring system having an alarm base and one or more remote sensors and data collecting devices. The alarm base and remote sensors communicate over a wireless connection and use a frequency hopping technique to implement a highly efficient communication protocol. By predefining and fixing both hop channels and ordering, the system is able to operate with reduced power demand. The communication protocol has very low power requirements in the alarm base and even lower power requirements in each of the remote sensors. The communication protocol is robust providing 100% data communications even at the edge of range,

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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