

Title (en)

OPTIMIZED OPERATION OF A DENSE READER SYSTEM WITH IMPROVED LISTEN BEFORE TALK COMMUNICATIONS

Title (de)

OPTIMIERTER BETRIEB EINES DICHTEN LESERSYSTEMS MIT VERBESSERTER HÖREN-VOR-SPRECHEN-KOMMUNIKATION

Title (fr)

FONCTIONNEMENT OPTIMISÉ D'UN SYSTÈME À HAUTE DENSITÉ DE LECTEURS PERMETTANT DES COMMUNICATIONS LBT (ÉCOUTER AVANT DE PARLER) AMÉLIORÉES

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Application

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Abstract (en)

[origin: WO2007078440A2] Methods, systems and apparatuses for RFID readers forming a reader network are described. In an aspect of the present invention, a plurality of RFID readers are configured to interrogate tags. Furthermore, the readers are configured to communicate with one another. Each reader includes a network interface module and an optimization module to receive and process statistical data obtained from other readers in the network. A set of operational rules for the environment is indicated, and tag interrogations are optimized according to the rules. Readers may communicate according to a "Listen Before Talk" (LBT) protocol to avoid undesirable interference. Individual readers are capable of dynamically establishing and joining a network, and leaving the network in a self-configured and semi-autonomous or autonomous manner.

IPC 8 full level

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