Title (en)
METHOD AND APPARATUS FOR TRANSMITTING DATA IN A TRACKING SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR DATENÜBERTRAGUNG IN EINEM VERFOLGUNGSSYSTEM

Title (fr)
PROCEDE ET DISPOSITIF ASSURANT LA TRANSMISSION DE DONNEES DANS UN SYSTEME DE RECHERCHE

Publication
**EP 1105825 A1 20010613 (EN)**

Application
**EP 99945111 A 19990820**

Priority
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Abstract (en)
[origin: WO0011590A1] System for tracking mobile tags. Cell controllers with multiple antenna modules generate a carrier signal which is received by the tags. Tags shift the frequency of the carrier signal, modulate an identification code onto it, and transmit the resulting tag signal at randomized intervals. The antennas receive and process the response, and determine the presence of the tags by proximity and triangulation. The recursive-least squares (RLS) technique is used in filtering received signals. Distance of a tag from an antenna is calculated by measuring the round trip signal time. The cell controllers send data from the antenna to a host computer. The host computer collects the data and resolves them into positional estimates. Data are archived in a data warehouse, such as an SQL Server. A software interface is described as part of the system for use by various subscribers and publishers of data as initially generated by cell controllers.

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IPC 8 full level
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