

Title (en)

SYSTEM FOR DETECTING HIGH-FREQUENCY TRANSCEIVERS AND USES THEREOF

Title (de)

System zur Erfassung von Hochfrequenz-Transceivern und dessen Verwendungen

Title (fr)

SYSTÈME DE DÉTECTION D'ÉMETTEURS-RÉCEPTEURS HAUTE FRÉQUENCE ET SES UTILISATIONS

Publication

**EP 2609445 A1 20130703 (DE)**

Application

**EP 11764115 A 20110812**

Priority

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- EP 2011063962 W 20110812

Abstract (en)

[origin: WO2012025411A1] The invention relates to high-frequency technology. In particular, the invention relates to a system for detecting the position and/or location of at least one high-frequency transceiver system having at least one receiving antenna set up so that high-frequency signals transmitted by the at least one high-frequency transceiver can be received by means of said receiving antenna, at least one transmitting antenna set up for transmitting high-frequency signals of at least one frequency band provided for being received by the at least one high-frequency transceiver and thereby in turn causing the transmitting of high-frequency signals by the at least one high-frequency transceiver, at least one first antenna signal processing device connected to the at least one receiving antenna and set up for analyzing the high-frequency signals received by the at least one receiving antenna in order to derive a spatial position and/or location and an identification of the transmitting high-frequency transceiver, and at least one data processing device at least indirectly connected to the first antenna signal processing device and receiving information therefrom about the position, location, and/or identification of the transmitting high-frequency transceiver. A data structure is provided in a first memory device connected to the at least one data processing device, at least partially comprising a virtual representation of the space supplied by the antenna field of the at least one transmitting antenna, wherein the virtual representation comprises information about the target position and/or location of at least one high-frequency transceiver having a predefined identification, and transformation information is available to the at least one data processing device on the basis of which an actual position and/or location of at least one high-frequency transceiver having a predefined identification within the virtual representation is associated on the basis of the position, location, and/or identification information obtained from the first antenna signal processing device, and the at least one data processing device carries out a comparison between the target position and the actual position and/or location of a high-frequency transceiver of a predefined identification within the virtual representation, outputting a signal representing "match" or "no match" as the result of the comparison for further processing.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012025411A1

Citation (examination)

- WO 2009143814 A1 20091203 - KARLSRUHER INST TECHNOLOGIE [DE], et al
- US 2009267823 A1 20091029 - KONISHI YUSUKE [JP], et al
- US 2009005972 A1 20090101 - DE KONING WILHELMUS G [NL]

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DOCDB simple family (application)

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