Title (en)

OPTIMISATION OF GEOLOCATION OF A TERMINAL FROM ONE OR MORE IDENTIFIERS OF NEIGHBOURING TRANSMITTING DEVICES

Title (de)

OPTIMIERUNG DER GEOLOKALISIERUNG EINES ENDGERÄTS VON EINER ODER MEHREREN IDENTIFIKATOREN BENACHBARTER SENDEVORRICHTUNGEN

Title (fr)

OPTIMISATION DE LA GÉOLOCALISATION D'UN TERMINAL À PARTIR D'UN OU PLUSIEURS IDENTIFIANTS DE DISPOSITIFS ÉMETTEURS VOISINS

Publication

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Application

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Abstract (en)

[origin: WO2022243318A1] The invention relates to a method for geolocating a terminal (20) of a wireless communication system (10). The terminal detects, for at least one transmitting device (40), an identifier (ID3) of the transmitting device. The terminal performs a lossy compression of the identifier of the transmitting device in order to obtain a reduced identifier (CID1), and then sends this reduced identifier to the access network in a message. The access network is capable of determining the identifier of the transmitting device from the reduced identifier, from discrimination information (Info3) determined from the received message, and from an ambiguity resolution database (33) making it possible to construct several lists of transmitting device identifiers each associated with a different value of the discrimination information. The geographical position of the terminal can then be estimated from the identifier of the transmitting device and using a geolocation database (51) storing a list of transmitting device identifiers and the respective geographical positions of said transmitting devices.

IPC 8 full level

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