

Title (en)

POSITION DETERMINATION USING TIME OF ARRIVAL MEASUREMENTS IN A WIRELESS LOCAL AREA NETWORK

Title (de)

POSITIONSBESTIMMUNG MITTELS ANKUNFTSZEITMESSUNGEN IN EINEM DRAHTLOSEN LOKALEN NETZWERK

Title (fr)

DÉTERMINATION DE POSITION À L'AIDE DE MESURES DE TEMPS D'ARRIVÉE DANS UN RÉSEAU LOCAL SANS FIL

Publication

**EP 3304117 A1 20180411 (EN)**

Application

**EP 16804566 A 20160603**

Priority

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- US 2016035835 W 20160603

Abstract (en)

[origin: WO2016197002A1] Ways to determine position or proximity of elements such as tags or mobile devices within a wireless local area network such as an IEEE 802.11 network that includes multiple beacons using time of arrival (TOA) of messages are described. System and methods are described for invoking TOA measurements at the beacons, the systems and methods being compatible with IEEE 802.11 protocols and signaling. Systems and methods are described to estimate the clock offset among beacons in an asynchronous network of IEEE 802.11 enabled Beacons, and to compensate for the clock timing offsets of the measured TOA values when triangulating the TOA values to estimate tag and/or mobile device position/location.

IPC 8 full level

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