Title (en)

METHOD FOR GEOLOCATING AN ITEM OF USER EQUIPMENT, DEVICE, ITEM OF USER EQUIPMENT, BASE STATION, SYSTEM AND COMPUTER PROGRAM CORRESPONDING THERETO

Title (de)

VERFAHREN ZUR GEOLOKALISIERUNG EINES BENUTZERGERÄTES, VORRICHTUNG, BENUTZERGERÄT, BASISSTATION, SYSTEM UND ENTSPRECHENDES COMPUTERPROGRAMM

Title (fr)

PROCÉDÉ DE GÉOLOCALISATION D'UN ÉQUIPEMENT UTILISATEUR, DISPOSITIF, ÉQUIPEMENT UTILISATEUR, STATION DE BASE, SYSTÈME ET PROGRAMME D'ORDINATEUR CORRESPONDANTS

Publication

EP 4143595 A1 20230308 (FR)

Application

EP 21732407 A 20210429

Priority

• FR 2004322 A 20200430
• FR 2021050747 W 20210429

Abstract (en)

[origin: WO2021219966A1] The invention relates to a method for geolocating an item of user equipment located at a given altitude, receiving a plurality of radio beams emitted in at least a first and a second propagation direction by at least one antenna of a first base station and by at least one antenna of a second base station, respectively, in at least a third and a fourth propagation direction. Said method involves: • - obtaining (E300) a power measured by said item of terminal equipment for radio beams emitted by the first base station; • - calculating (E310) at least one item of information per base station, representative of a ratio or of a difference between a first and a second power of each set of measured powers; and • - determining (E320) a position of said item of user equipment at the given altitude.

IPC 8 full level

G01S 3/16 (2006.01); **G01S 3/28** (2006.01); **G01S 5/02** (2006.01)

CPC (source: EP)

G01S 3/16 (2013.01); **G01S 3/28** (2013.01); **G01S 5/02521** (2020.05)

Citation (search report)

See references of WO 2021219966A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3109827 A1 20211105; EP 4143595 A1 20230308; WO 2021219966 A1 20211104

DOCDB simple family (application)

FR 2004322 A 20200430; EP 21732407 A 20210429; FR 2021050747 W 20210429