

Title (en)

DELAY COMPENSATION FOR A GEOLOCATION MEASUREMENT WITH DOWNLINK REFERENCE SIGNALS

Title (de)

VERZÖGERUNGSKOMPENSATION FÜR EINE GEOLOKALISIERUNGSMESSUNG MIT DOWNLINK-REFERENZSIGNALEN

Title (fr)

COMPENSATION DU DELAI POUR UNE MESURE DE GEOLOCALISATION AVEC SIGNAUX DE REFERENCE DESCENDANTS

Publication

EP 4281795 A1 20231129 (FR)

Application

EP 22705432 A 20220121

Priority

- FR 2100628 A 20210122
- FR 2022050117 W 20220121

Abstract (en)

[origin: WO2022157462A1] The invention relates to a method for transmitting a downlink reference signal (PRS1, PRS2) from a network entity (DU) to a mobile terminal (1) via a radio unit (RU) connected to an antenna, used to geolocate the mobile terminal (1), the method being implemented by the radio unit (RU) and comprising: - receiving the reference signal (PRS1, PRS2) from the network entity (DU) and destined for the mobile terminal (1), and - transmitting the reference signal (PRS1, PRS2) to the mobile terminal (1) upon expiry of what is termed a delay period with respect to the transmission time of the reference signal by the network entity (DU), the delay period having a value greater than a transmission travel time of a signal termed a comparison signal (S1, S2) between the network entity (DU) and the radio unit (RU).

IPC 8 full level

G01S 1/02 (2010.01); **G01S 5/00** (2006.01); **G01S 5/02** (2010.01); **H04W 48/12** (2009.01); **H04W 56/00** (2009.01); **H04W 88/08** (2009.01)

CPC (source: EP US)

G01S 1/024 (2013.01 - EP); **G01S 5/0009** (2013.01 - EP); **G01S 5/0236** (2013.01 - EP); **G01S 5/10** (2013.01 - US); **H04L 5/0051** (2013.01 - US); **H04W 56/0045** (2013.01 - EP); **G01S 1/68** (2013.01 - EP); **G01S 5/10** (2013.01 - EP); **G01S 2205/008** (2013.01 - EP); **H04W 88/085** (2013.01 - EP)

Citation (search report)

See references of WO 2022157462A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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