

Title (en)

AMBIENT BACKSCATTER LOCATION METHOD AND DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ORTUNG DURCH UMGEBUNGSRÜCKSTREUUNG

Title (fr)

PROCEDE ET DISPOSITIF DE LOCALISATION PAR RETRODIFFUSION AMBIANTE

Publication

EP 4066015 A1 20221005 (FR)

Application

EP 20824304 A 20201126

Priority

- FR 1913556 A 20191129
- FR 2020052181 W 20201126

Abstract (en)

[origin: WO2021105618A1] Method for locating a transmitting device belonging to an ambient backscatter system comprising a source and a receiving device, and further comprising a surface capable of reflecting signals to the receiving device. The method comprises the steps of: • determining (E30) a difference, referred to as the "measured difference", between measurements of a power received by the receiving device when the transmitting device is in a backscattering state and in a non-backscattering state, • determining (E40) at least one position, referred to as the "candidate position", of the transmitting device for which a function which evaluates the difference in power received by the receiving device in the backscattering state compared to the non-backscattering state, is equal to the measured difference, • determining (E50) a position, referred to as the "final position", according to the at least one candidate position.

IPC 8 full level

G01S 13/75 (2006.01)

CPC (source: EP)

G01S 5/0205 (2013.01); **G01S 5/0226** (2013.01); **G01S 5/0273** (2013.01); **G01S 13/751** (2013.01)

Citation (search report)

See references of WO 2021105618A1

Designated contracting state (EPC)

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