

Title (en)
METHODS AND SYSTEMS FOR LOCALIZATION

Title (de)
VERFAHREN UND SYSTEME ZUR ORTUNG

Title (fr)
PROCÉDÉS ET SYSTÈMES DE LOCALISATION

Publication
EP 3729131 A1 20201028 (EN)

Application
EP 17829660 A 20171222

Priority
EP 2017084516 W 20171222

Abstract (en)
[origin: WO2019120582A1] This invention relates to methods and systems for for localization. It is particularly concerned with localization techniques based on TDoA for wireless devices. Embodiments of the invention relate to techniques in which a transmitter transmits periodic distinguishable signals which are relayed upon receipt by the client whose location is sought in a form distinguishable from that of the transmitter. Signals from both the transmitter and the client are received by at least three signal receivers which generate a TDoA based on the difference taken for a signal to reach the receiver directly and via the client. Further embodiments of the invention provide a phase detector in the receivers to determine the TDoA between the signals.

IPC 8 full level
G01S 5/06 (2006.01); **G01S 13/00** (2006.01); **G01S 13/87** (2006.01)

CPC (source: EP)
G01S 13/003 (2013.01); **G01S 13/76** (2013.01); **G01S 13/878** (2013.01); **G01S 5/06** (2013.01)

Citation (search report)
See references of WO 2019120582A1

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

DOCDB simple family (publication)
WO 2019120582 A1 20190627; EP 3729131 A1 20201028

DOCDB simple family (application)
EP 2017084516 W 20171222; EP 17829660 A 20171222