

Title (en)
POSITION-DETERMINING DEVICE

Title (de)
POSITIONSERMITTLUNGSEINRICHTUNG

Title (fr)
DISPOSITIF DE DÉTERMINATION DE POSITION

Publication
EP 3397988 A1 20181107 (DE)

Application
EP 16825767 A 20161222

Priority
• DE 102015017027 A 20151231
• DE 102016119484 A 20161012
• EP 2016082475 W 20161222

Abstract (en)
[origin: WO2017114762A1] The invention relates to a position-determining device (1) for determining a position of an object (O1, O2) in relation to the position-measuring device (1), wherein the position-determining device (1) comprises: a transmitter (SE1) at a first location (X1), a receiver (EE2) at a second location (X2), wherein the receiver (EE2) is configured for receiving a transmission signal (SS1) from the first transmitter (SE1) and for determining a runtime (L) of the transmission signal (SS1) from the transmitter (SE1) to the object (O1, O2) and from the object (O1, O2) to the receiver (EE2), wherein the first location (X1) and the second location (X2) have a distance (D) from each other and the position-determining device (1) is configured to determine an ellipse (E) from the runtime (L), on which the object (O1, O2) lies, and which has the first location (X1) and the second location (X2) as focal points.

IPC 8 full level
G01S 13/87 (2006.01); **G01S 13/46** (2006.01); **G01S 13/93** (2006.01)

CPC (source: EP US)
G01S 13/003 (2013.01 - EP US); **G01S 13/878** (2013.01 - EP US); **G01S 2013/466** (2013.01 - EP US); **G01S 2013/93271** (2020.01 - EP US); **G01S 2013/93272** (2020.01 - EP US); **G01S 2013/93274** (2020.01 - EP US)

Citation (search report)
See references of WO 2017114762A1

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 2017114762 A1 20170706; CN 108474847 A 20180831; CN 108474847 B 20221028; DE 102016119484 A1 20170706; EP 3397988 A1 20181107; US 11112496 B2 20210907; US 2019011546 A1 20190110

DOCDB simple family (application)
EP 2016082475 W 20161222; CN 201680077153 A 20161222; DE 102016119484 A 20161012; EP 16825767 A 20161222; US 201616065857 A 20161222