

Title (en)

ARRANGEMENT FOR DETERMINING THE DISTANCE AND THE DIRECTION TO AN OBJECT

Title (de)

ANORDNUNG ZUR BESTIMMUNG DER ENTFERNUNG UND DER RICHTUNG ZU EINEM OBJEKT

Title (fr)

SYSTÈME POUR DÉTERMINER LA DISTANCE ET LA DIRECTION PAR RAPPORT À UN OBJET

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Application

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Abstract (en)

[origin: WO2011131650A1] The invention relates to an arrangement for determining the distance and the direction to an object comprising an emitter (1) and at least two receiver elements (3) for receiving a signal which is sent by the emitter (1) and is reflected by the object, wherein the receiver elements (3) are arranged as a linear array, as two linear arrays arranged at an angle to one another, as an array which surrounds the emitter (1) and forms a circle, or as a two-dimensional array, wherein the diameter of the array may be greater than half the wavelength of the signal, and the individual receiver elements (3) each have an individual surface area whose height or diameter corresponds at most to half the wavelength of the signal, and the separate emitter (1) has a height or a diameter which is greater than half the wavelength of the signal.

IPC 8 full level

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