Title (en)
APPARATUS AND METHOD FOR ASCERTAINING OBJECT KINEMATICS OF A MOVABLE OBJECT

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ERMITTLUNG EINER OBJEKTKINEMATIK EINES BEWEGLICHEN OBJEKTES

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR DÉTERMINER UNE CINÉMATIQUE D'UN OBJET MOBILE

Publication
EP 3446147 A1 20190227 (DE)

Application
EP 17723923 A 20170418

Priority
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Abstract (en)
[origin: WO2017182041A1] An apparatus (1) and method for ascertaining object kinematics of a movable object (20), comprising a trajectory calculation filter (2) for calculating an estimated movement direction (I) of the object (20) on the basis of a predicted position (II) of the object (20) and on the basis of the position (x_k, y_k) of the object (20) specified in radar measurement data of the object; and comprising a calculation unit (3) for calculating Cartesian speeds (v_{xk}, v_{yk}) of the object (20) depending on the measured radial object speed (v_{radk}) and a measured object angle (ϕ_k), which are specified in the radar measurement data of the object (20), and depending on the estimated movement direction (III) of the object (20) that is calculated in the trajectory calculation filter (2).

IPC 8 full level
G01S 13/72 (2006.01); **G01S 13/93** (2006.01); **G01S 13/931** (2020.01); **G01S 13/933** (2020.01); **G01S 13/937** (2020.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2017182041A1

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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

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