

Title (en)

CURVILINEAR DISTANCE ESTIMATION METHOD FOR A MOVING VEHICLE WITH LIMITED MANEUVERABILITY

Title (de)

VERFAHREN ZUR SCHÄTZUNG EINER GEKRÜMMTEN DISTANZ FÜR EIN BEWEGLICHES FAHRZEUG MIT BEGRENZTER MANÖVRIERFÄHIGKEIT

Title (fr)

PROCEDE D'ESTIMATION DE DISTANCE CURVILIGNE POUR MOBILE A MANOEUVRABILITE LIMITEE

Publication

EP 1721124 A1 20061115 (FR)

Application

EP 05707976 A 20050209

Priority

- EP 2005050556 W 20050209
- FR 0402347 A 20040305

Abstract (en)

[origin: US2007187554A1] In distance maps used in order to facilitate the navigation of craft such as an aircraft, the distances estimated take into account obstacles to be circumvented but not the maneuverability of the craft. The adaptation route required by the craft in order to take the right direction is not taken into account so that certain distance estimates for accessible points located in the neighborhood of the craft are unrealistic. In order to make a distance map more realistic, it is proposed that an obstacle of concave shape associated with the craft be added behind the position of the craft, forcing the estimations of distances to be circumvented an area that is inaccessible to the craft for reasons of maneuverability.

IPC 8 full level

G01C 5/00 (2006.01); **G01C 21/00** (2006.01); **G08G 5/04** (2006.01)

CPC (source: EP US)

G01C 5/00 (2013.01 - EP US); **G01C 21/3881** (2020.08 - EP US)

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DE FR GB

DOCDB simple family (publication)

US 2007187554 A1 20070816; **US 7693613 B2 20100406**; EP 1721124 A1 20061115; FR 2867270 A1 20050909; FR 2867270 B1 20060623; IL 177287 A0 20061210; WO 2005095888 A1 20051013

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