

Title (en)

DISTANCE-ESTIMATION METHOD FOR A TRAVELLING OBJECT SUBJECTED TO DYNAMIC PATH CONSTRAINTS

Title (de)

ABSTANDSSCHÄTZVERFAHREN FÜR EIN DYNAMISCHEN WEGNEBENBEDINGUNGEN UNTERLIEGENDES BEWEGLICHES OBJEKT

Title (fr)

PROCEDE D'ESTIMATION DE DISTANCE POUR UN MOBILE SOUMIS A DES CONTRAINTES DYNAMIQUES DE PARCOURS

Publication

EP 1664677 A1 20060607 (FR)

Application

EP 04766733 A 20040908

Priority

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- FR 0311320 A 20030926

Abstract (en)

[origin: WO2005031262A1] The invention relates to a method whereby a terrain elevation database can be used to calculate a distance map of the points accessible to a travelling object that is subjected to dynamic path constraints which change over time, e.g. an aircraft having an imposed vertical flight profile, said distances only being measured using the paths that can be passed by the travelling object. The inventive method employs a propagation distance transform which: (i) lists the passable paths from a target point to a source point, the distance of which is to be estimated in order to provide distance measurements; and compares the distance from the target point to the length of the shortest passable paths(s).

IPC 1-7

G01C 21/00; **G08G 5/04**; **G05D 1/02**

IPC 8 full level

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

CPC (source: EP US)

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Citation (search report)

See references of WO 2005031262A1

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