Title (en)

METHOD FOR LOCATING DIFFICULT ACCESS POINTS ON A MAP

Title (de)

VERFAHREN ZUM FINDEN SCHWIERIGER ZUGANGSPUNKTE AUF EINER KARTE

Title (fr)

PROCEDE DE REPERAGE, SUR UNE CARTE, DE POINTS DIFFICILES D'ACCES

Publication

EP 1725835 A1 20061129 (FR)

Application

EP 05708051 A 20050223

Priority

- EP 2005050770 W 20050223
- FR 0402870 A 20040319

Abstract (en)

[origin: US2007150121A1] The locating of difficult access points, on a topological map of the zone overflown by an aircraft, plotted on the basis of a map of curvilinear distances taking account of the vertical flight profile of the aircraft, is effected by analyzing the map of curvilinear distances, by means of a chamfer mask cataloging the approximate values C(V) of the Euclidean distances separating a point C_{00} of the map from its nearest neighbors V, so as to extract therefrom, at each point C_{00} of the map of curvilinear distances, the discrepancies 1DT(V)-DT(0) 1 of curvilinear distances separating the point considered C_{00} from its nearest neighbors V, compare these discrepancies 1DT(V)-DT(0) 1 with the approximate values C(V) of the Euclidean distances of the chamfer mask and describe the point considered as difficult of access when a difference is noted between Euclidean distance and discrepancy of curvilinear distances. This locating proves to be useful for signaling the reliefs that are not accessible by a shortest path but are accessible after detour.

IPC 8 full level

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

CPC (source: EP US)

G08G 5/04 (2013.01 - EP US)

Citation (search report)

See references of WO 2005100912A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

US 2007150121 A1 20070628; **US 7587272 B2 20090908**; EP 1725835 A1 20061129; FR 2867851 A1 20050923; FR 2867851 B1 20060526; IL 177823 A0 20061231; WO 2005100912 A1 20051027

DOCDB simple family (application)

US 59340405 A 20050223; EP 05708051 A 20050223; EP 2005050770 W 20050223; FR 0402870 A 20040319; IL 17782306 A 20060831