

Title (en)

Flight trajectory prediction with application of environmental conditions

Title (de)

Flugverlaufsvorhersage mit Anwendung von Umgebungsbedingungen

Title (fr)

Prédiction de trajectoire de vol avec application de conditions environnementales

Publication

**EP 2575121 A2 20130403 (EN)**

Application

**EP 12185489 A 20120921**

Priority

- US 201113250352 A 20110930
- US 201113250241 A 20110930

Abstract (en)

Systems and methods for generating a predicted flight trajectory using a combination of aircraft state data, flight information, environmental information, historical data or derived flight information from aircraft messaging which can be used for the transmission of environmental data. The generated trajectory prediction is assigned a level of confidence based on fidelity, merit or accuracy. The level of predicted accuracy is based on the number of and sources of the specific information, time, distance or flight phase. The predicted trajectory includes pseudo-waypoints at flight transitions not readily available in the flight information and also includes the environmental conditions at all waypoint (including pseudo-waypoint) locations.

IPC 8 full level

**G01W 1/08** (2006.01); **G01W 1/10** (2006.01); **G08G 5/00** (2006.01)

CPC (source: EP)

**G08G 5/0013** (2013.01); **G08G 5/0039** (2013.01); **G08G 5/0052** (2013.01); **G08G 5/0082** (2013.01); **G08G 5/0091** (2013.01)

Citation (applicant)

- US 201113250241 A 20110930
- US 2011054718 A1 20110303 - BAILEY LOUIS J [US]

Cited by

CN110349445A; CN107610531A; EP3550541A1; CN105894117A; US2023104455A1; US9645282B2; US11302204B2; WO2014193518A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2575120 A2 20130403**; **EP 2575120 A3 20140122**; EP 2575121 A2 20130403; EP 2575121 A3 20140122; EP 2575121 B1 20200226

DOCDB simple family (application)

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