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 B1 20200226 (EN)

Application

EP 12185489 A 20120921

Priority

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• US 201113250241 A 20110930

Abstract (en)

[origin: EP2575120A2] Systems and methods for processing flight information. Using a flight plan/route message and other flight information (aircraft type and navigation database information), the portion of the message containing the flight plan or route is decoded and translated to construct a ground-based flight route comprising a list of waypoints and associated flight information. The list of waypoints may then used in calculations performed by a flight trajectory predictor to identify spatially associated weather information and/or to create an updated flight plan or route (e.g., by adding or changing waypoints in a flight object) and thereafter transmit that information to users. Prior to transmitting any updated flight plan/ route, the associated waypoints and other flight information must be translated and encoded into the required format for inclusion in an outgoing (i.e., uplinked) flight plan/route message.

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)

Cited by

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

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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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