

Title (en)

Systems and methods for processing flight information

Title (de)

Systeme und Verfahren zum Verarbeiten von Fluginformation

Title (fr)

Systèmes et procédés de traitement d'informations de vol

Publication

EP 2575120 A2 20130403 (EN)

Application

EP 12185485 A 20120921

Priority

- US 201113250241 A 20110930
- US 201113250352 A 20110930

Abstract (en)

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

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 201113250352 A 20110930
- US 2011054718 A1 20110303 - BAILEY LOUIS J [US]

Cited by

EP3264392A3; CN111818573A; EP3591639A1; CN110675660A; CN111898815A; CN105278400A; AU2015201224B2; EP2911135A1; CN104867358A; EP3553764A1; US2021241631A1; US10311740B2; US11157476B2; US9645282B2; US10151834B2; US9967707B2; WO2014193518A1; US9786185B2; US10262543B2; US10991255B2

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