

Title (en)

Method and device for creating an optimum flight path to be followed by an aircraft

Title (de)

Verfahren und Vorrichtung zum Erstellen einer optimalen Flugbahn, die von einem Luftfahrzeug nachverfolgt werden soll

Title (fr)

Procédé et dispositif pour construire une trajectoire de vol optimale destinée à être suivie par un aéronef

Publication

EP 2463844 A1 20120613 (FR)

Application

EP 11191207 A 20111129

Priority

FR 1060191 A 20101207

Abstract (en)

The method involves generating a new section of a flight trajectory by using a virtual trajectory that comprises a best score with respect to an objective set by an operator. The new section is evaluated and assigned with a score representing ability to reach the objective. The evaluated new section is registered with the score. The above processes are repeated until the downstream end corresponds to a target point such that the virtual trajectory represents an optimum flight trajectory. The optimum flight trajectory is transmitted to a user unit (12). An independent claim is also included for a device for determining an optimum flight trajectory for an aircraft such as transport aircraft, comprising a storage.

Abstract (fr)

- Procédé et dispositif pour construire une trajectoire de vol optimale destinée à être suivie par un aéronef. - Le dispositif (1) comporte des moyens (8, 9) pour construire une trajectoire de vol optimale, qui est libre de toute collision avec des obstacles, qui respecte des contraintes énergétiques, et qui permet de relier la position courante de l'aéronef à un point cible défini par un opérateur.

IPC 8 full level

G08G 5/00 (2006.01)

CPC (source: EP US)

G08G 5/0039 (2013.01 - US); **G08G 5/0052** (2013.01 - EP US); **G08G 5/006** (2013.01 - EP US); **G08G 5/0082** (2013.01 - EP); **G08G 5/0091** (2013.01 - EP US); **G08G 5/0082** (2013.01 - US)

Citation (search report)

- [A] GB 2440249 A 20080123 - EADS DEUTSCHLAND GMBH [DE]
- [A] FR 2607948 A1 19880610 - DASSAULT ELECTRONIQUE [FR]

Cited by

FR3056778A1; FR3043456A1; US10475347B2; US10636313B2; FR3118222A1; WO2022136355A1

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 2463844 A1 20120613; **EP 2463844 B1 20130626**; CN 102566571 A 20120711; CN 102566571 B 20141217; FR 2968441 A1 20120608; FR 2968441 B1 20121228; US 2012143505 A1 20120607; US 8825366 B2 20140902

DOCDB simple family (application)

EP 11191207 A 20111129; CN 201110399295 A 20111205; FR 1060191 A 20101207; US 201113309150 A 20111201