

Title (en)

METHOD AND SYSTEM FOR AIDING THE LANDING OF AN AIRCRAFT

Title (de)

VERFAHREN UND SYSTEM ZUR UNTERSTÜTZUNG DER LANDUNG EINES FLUGZEUGS

Title (fr)

PROCÉDÉ ET SYSTÈME POUR FACILITER L'ATERRISSAGE D'UN AÉRONEF

Publication

EP 3813038 A1 20210428 (EN)

Application

EP 19306382 A 20191024

Priority

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Abstract (en)

- Method and system for automatically determining a list of ranked optimal diversion airports suitable for the landing of an aircraft.- The system (1) comprises a module (3) for searching by iteration for airports from on-board database (DB1) and on-ground database (DB2). The airports are searched in a circle having a centre corresponding to the current position of the aircraft and a radius that increases from an initial radius by a predetermined increment on each iteration which is carried out until the radius is greater than or equal to a maximum radius. The system (1) further comprises a module (5) for ranking the airports considering a quantity of fuel on board of the aircraft so as to establish a list of ranked airports, a module (6) for transmitting to a user unit (7) a signal representative of the list of ranked airports. The system allows the reduction of the pilot's workload as the system (1) take into account information from on-board and on-ground databases.

IPC 8 full level

G08G 5/00 (2006.01); **G08G 5/02** (2006.01)

CPC (source: EP)

G08G 5/0008 (2013.01); **G08G 5/0013** (2013.01); **G08G 5/0021** (2013.01); **G08G 5/0026** (2013.01); **G08G 5/0039** (2013.01); **G08G 5/0056** (2013.01); **G08G 5/0086** (2013.01); **G08G 5/0091** (2013.01); **G08G 5/025** (2013.01)

Citation (applicant)

US 2008243318 A1 20081002 - FERRO DANIEL [FR], et al

Citation (search report)

- [Y] US 5842142 A 19981124 - MURRAY DANIEL J [US], et al
- [Y] US 2016229554 A1 20160811 - KAWALKAR AMIT NISHIKANT [IN], et al
- [A] US 9310222 B1 20160412 - SUITER SEAN PATRICK [US], et al
- [A] US 2018322793 A1 20181108 - HUANG JINMING [CN], et al
- [Y] US 8565944 B1 20131022 - GERSHZOHN GARY R [US]
- [AD] US 2008243318 A1 20081002 - FERRO DANIEL [FR], et al

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)

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