

Title (en)

METHOD FOR GUIDING AIRCRAFT ON TAXIWAYS

Title (de)

VERFAHREN ZUR FÜHRUNG VON FLUGZEUGEN AUF ROLLWEGEN

Title (fr)

PROCEDE DE GUIDAGE D'AVIONS SUR DES VOIES DE CIRCULATION

Publication

**EP 1034526 A1 20000913 (DE)**

Application

**EP 98965698 A 19981124**

Priority

- DE 19752559 A 19971127
- EP 9807581 W 19981124

Abstract (en)

[origin: DE19752559A1] The invention relates to a method for guiding aircraft on taxiways (R) of the airport ramp area, whereby position lights (FE) are arranged on the taxiways (R) and optionally at additional locations of the airport ramp. The method comprises the following steps: Determining the momentary position of the aircraft with a particular exactness by means of a navigation system (NAV); detecting and measuring the position of the light with a sensor (SEN) which is arranged on the aircraft; making the reference information (REF) with the positions of the individual lights (FE) available; comparing the path tracked by the navigation system (NAV) with the reference information (REF) and utilizing the detected lights (FE) as interpolation points for the navigation system (NAV), and from this; determining the momentary position of the aircraft with an increased exactness compared to that of the initial position determination of the navigation system (NAV); generating guidance information based on the position of the aircraft which is determined according to the inventive method.

IPC 1-7

**G08G 5/06**

IPC 8 full level

**B64F 1/00** (2006.01); **G08G 5/06** (2006.01)

CPC (source: EP US)

**B64F 1/002** (2013.01 - EP US); **G05D 1/0083** (2024.01 - EP US); **G08G 5/065** (2013.01 - EP US)

Citation (search report)

See references of WO 9928885A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19752559 A1 19990602**; **DE 19752559 B4 20040122**; AU 2154699 A 19990616; CA 2311946 A1 19990610; EP 1034526 A1 20000913; US 6411890 B1 20020625; WO 9928885 A1 19990610

DOCDB simple family (application)

**DE 19752559 A 19971127**; AU 2154699 A 19981124; CA 2311946 A 19981124; EP 9807581 W 19981124; EP 98965698 A 19981124; US 55535800 A 20000803