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(54) Title: SYSTEM AND METHOD FOR COMPUTING AN EQUI-DISTANCE POINT (EDP) FOR AIRCRAFTS

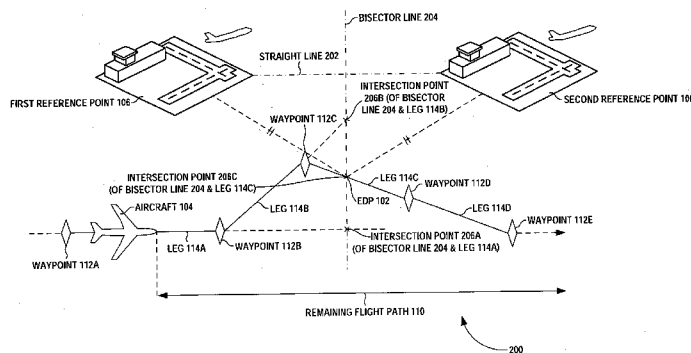


FIG. 2

(57) Abstract: A system and method for dynamically computing an equi-distance point (EDP) for aircrafts is disclosed. In one embodiment, a method for dynamically computing an EDP for an aircraft includes receiving at least two reference points for landing the aircraft upon an occurrence of an emergency, determining a remaining flight path for the aircraft based on a current location of the aircraft and a flight plan serviced by a flight management system (FMS) of the aircraft, and generating the EDP for the aircraft by locating a point on the remaining flight path which is equidistant from the at least two reference points.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IN 10/00478

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01C 23/00 (2011.01)

USPC - 701/3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): G01C 23/00 (2011.01)

USPC: 701/3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 701/3,200 [340/974 | 342/47 (keyword limited; terms below)Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWest; Google Scholar; Google Patents; FreePatentsOnline. Search terms used: aircraft airplane aeronautic aerodynamic fly flight, processor microprocessor CPU SPU GPU DSP ASIC instruction code software, memory storage store, equal-distance same-distance equidistant equi-distant midway-position mid-point, flight-path air-lane trajectory course tra

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0004619 A1 (CARRIKER et al.) 02 January 2003 (02.01.2003) entire document, especially Abstract; Figs. 1, 4, 9A-9D; para [0004], [0009], [0010], [0027], [0038], [0054], [0062], [0064], [0078]	1 - 20
Y	US 2001/0056316 A1 (JOHNSON et al.) 27 December 2001 (27.12.2001) entire document, especially Abstract; Fig. 35; para [0009], [0011], [0076], [0125], [0231], [0261], [0265]	1 - 20
Y	DENNIS, "TSAFE: Building a Trusted Computing Base for Air Traffic Control Software". Massachusetts Institute of Technology, Masters Degree Thesis, published 04 February 2003. [retrieved on 2011.04.21]. Retrieved from the Internet <URL: http://alloy.mit.edu/community/files/gdennis_masters.pdf > entire document, especially Abstract; page 18, para 2; page 29, para 3; page 35, para 3 to page 36, para 3	6-10, 13-17
A	US 2004/0044446 A1 (STAGGS) 04 March 2004 (04.03.2004) entire document	1 - 20
A	US 6,246,957 B1 (BARRER et al.) 12 June 2001 (12.06.2001) entire document	1 - 20
A	US 5,841,370 A (LEMPICKE) 24 November 1998 (24.11.1998) entire document	1 - 20

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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