

Title (en)
METHOD AND APPARATUS FOR PREDICTIVE ALTITUDE DISPLAY

Title (de)
VERFAHREN UND VORRICHTUNG ZUR PRÄDIKTIVEN HÖHENANZEIGE

Title (fr)
PROCEDE ET APPAREIL DESTINES A UN AFFICHAGE D'ALTITUDE PREDICTIF

Publication
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Application
EP 01983127 A 20011011

Priority
US 0131966 W 20011011

Abstract (en)
[origin: WO03071371A1] Embodiments provide a method and apparatus for indicating aircraft (12) height relative to an obstruction in a terrain awareness warning system. The method includes receiving data indicative of geographic features of an obstruction, lateral distance of the geographic feature from an aircraft, height and flight path of the aircraft, calculating (208) a projected height of the aircraft at the location of the obstruction using the data, generating a result signal (222), and displaying (224) a colored indication on a display screen based on the result signal. The apparatus includes inputs for signals from instruments measuring height, flight path, and location of an aircraft, as well as an input for an instrument providing information about geographic features of terrain surrounding the aircraft. The apparatus includes employing the signals to calculate an effective height of the aircraft relative to the terrain, and a screen display for graphically displaying the results of the calculation.

IPC 1-7
G05D 1/00; **G06F 17/00**; **B64C 19/00**

IPC 8 full level
B64C 19/00 (2006.01); **G01C 5/00** (2006.01); **G01C 21/00** (2006.01); **G01C 23/00** (2006.01); **G01S 7/06** (2006.01); **G01S 13/91** (2006.01); **G01S 13/935** (2020.01); **G01S 13/94** (2006.01); **G05D 1/00** (2006.01); **G06F 17/00** (2006.01); **G08G 5/00** (2006.01); **G08G 5/02** (2006.01); **G01S 13/88** (2006.01); **G01S 13/93** (2020.01)

IPC 8 main group level
B64D (2006.01)

CPC (source: EP)
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