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(54) **LANDMASS FLY-AROUND BOUNDARY GENERATION**

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(58) **Field of Search** **701/1, 3, 23, 25, 701/26, 200, 201, 202, 205, 208, 209, 300; 244/3.1; 340/990, 995; 73/178 R; 702/5**

(56) **References Cited**

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(57) **ABSTRACT**

A process for generating fly-around boundaries for use by projectiles such as missiles or the like which facilitates the steps of providing original cartographic data representative of at least one geographical position on a landmass and providing a predetermined value for the spacing of a fly-around boundary from the geographical position; digitizing the original data and creating a landmass model in a format which includes latitudinal and longitudinal coordinates of the geographical position; inputting the digitized data and the predetermined value into a data analyzer; generating new data representative of the fly-around boundary using the data analyzer based on the predetermined value and the land mass model, preferably by offsetting fly-around segments from the landmass model a distance equal to the predetermined value; and providing a navigational control for receiving the new data and using the new data for controlling the flight path of the missile along the boundary.

20 Claims, 13 Drawing Sheets

