UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

FLIR SYSTEMS, INC. and
FLIR MARITIME US, INC. (F/K/A RAYMARINE, INC.),

Petitioner

v.

GARMIN SWITZERLAND GmbH,

Patent Owner

Case IPR2017-00946

Patent 7,268,703 B1

PATENT OWNER RESPONSE

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I. Introduction

A. Summary of the ’703 Patent

The Challenged Claims recite a marine route calculation algorithm that routes a course between a first location and a potential waypoint. This routing includes identifying any preselected conditions that may be along the course. If preselected conditions are identified, the marine route calculation algorithm re-routes the course relative to the previous routing to avoid the identified preselected conditions. The re-routed course includes non-user selected waypoints. This process is summarized by the ’703 Patent as follows:

> As shown in FIG. 6, a method for marine navigation is provided. The method includes identifying a potential waypoint at 600. In the various embodiments, identifying the potential waypoint can be accomplished by identifying the potential waypoint on or through a display. Cartographic data, including the marine craft data, for the area between a first location and the potential waypoint can be analyzed for preselected conditions at 610. In one example, analyzing the area between the first location and the potential waypoint includes identifying one or more preselected conditions in the area between the first location and the potential waypoint. [¶] The one or more preselected conditions identified in the analysis can be used, along with other factors, in performing the marine route calculation algorithm to calculate the course so as to best avoid preselected conditions between the first location and the potential waypoint at 620. *One approach to avoiding the preselected conditions includes re-routing the course to avoid the preselected*

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