**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF KANSAS**

Garmin Switzerland GmbH, and Garmin Corporation, *Plaintiffs*, v. Navico, Inc., C-MAP USA, Inc., and C-MAP/Commercial, Ltd. *Defendants*.		Case No. 2:16-cv-2706-CM-GLR

GARMIN'S OPENING CLAIM CONSTRUCTION BRIEF

TABLE OF CONENTS

TABLE OF AUTHORITIES

Cases

Statutes

INTRODUCTION

This is a patent case involving Defendants' unauthorized use of two of Garmin's homegrown inventions.   At a high level, the patents were developed by Garmin's talented technologists to address very specific problems in the GPS-assisted marine navigation industry—namely, creation of accurate and reliable routes based on various route creation criteria.

The first invention, embodied in U.S. Patent No. 7,268,703 ("the '703 Patent," Exhibit 1), provides a new and improved route calculation algorithm for use in calculating marine routes—namely, an improved algorithm that is capable of creating a marine course that avoids undesirable route conditions (e.g., shallow waters, narrow channels, overhead obstacles).   In particular, the invention in the '703 Patent improved upon prior marine route calculation algorithms by having the algorithm analyze a potential course for undesirable route conditions and, if such conditions are identified, re-calculating that portion of the route through non-user selected waypoints.   The end result is a marine route that avoids unfavorable conditions, resulting in a more accurate and reliable route for the mariner.

The second invention, embodied in U.S. Patent No. 6,459,987 ("the '987 Patent," Exhibit 2), provides a new and improved technique for routing the user over a previously-traveled path—that is, creating a backwards path by selecting a subset of points traveled by the user during the original (forward) route.   Using the invention in the '987 Patent, the points selected for the backtrack path are reduced while simultaneously preserving the topological fidelity of the traveled forward path.   In this way, the invention described in the '987 Patent provide a profound advancement over prior GPS-assisted navigation systems—one that minimizes burdens on the system while greatly improving the user experience.

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