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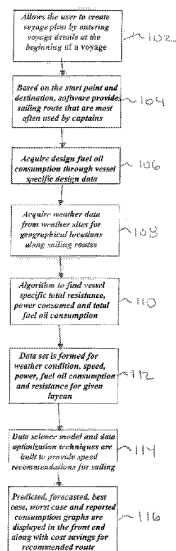


FIG. 1

(57) **Abstract:** A system and method for predicting, forecasting and suggesting voyage plans for a vessel by considering design parameters, weather in sailing routes and a user's preference for best weather or best economy or fastest way to reach the destination. Voyage plans are optimized using the above parameters, and directions are continuously provided in the form of heading and speeds to be maintained by the vessel during the course of the voyage.