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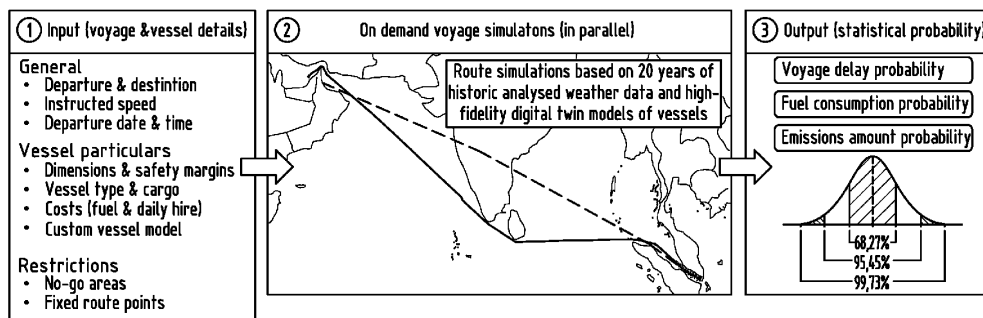


FIG. 2

(57) Abstract: A system for and method of determining anticipated voyage costs are provided. The system and method utilize a plurality of voyage simulations to determine cost information for each simulation. The voyage simulations utilize a digital twin model of a vessel, anticipated routes for the vessel, and weather data associated with each route. The results of the simulations are used to generate statistical probability for anticipated costs for a voyage, thereby facilitating more accurate predictions of costs that can be used to assess voyage feasibility and profitability.

WO 2024/023364 A1