

METHOD AND SYSTEM FOR IDENTIFYING ESTIMATED ARRIVAL PORT OF SHIP

Abstract

The present invention provides a method and system for identifying estimated arrival port of ship. This method constructs a ship segment dynamic based on the ship AIS data to establish historical records of the ship port call. This method establishes AIS DEST matching records based on the number of matches generated by AIS DEST and the port of call of the ship segment, and then constructs the ship estimated arrival port matching model according to the historical records of the ship port call and AIS DEST matching records. The model has a priority queue of potential destinations with a specific priority. This method obtains the estimated arrival data of the ship's voyage according to the optimal destination port identified by the model's matching results. When the destination port is unclear or ambiguous in the AIS data, the present invention can better reflect the real destination ports of ships. The present invention will optimize the record parameters and the model parameters after the ship berths. As the amount of data increases and the number of matches increases, the correct match rate will continue to increase. The present invention has higher feasibility and accuracy than the prior art.

[Fig. 1]