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(54) Title: METHOD AND SYSTEM FOR PREDICTING A PORT-STAY DURATION OF A VESSEL AT A PORT

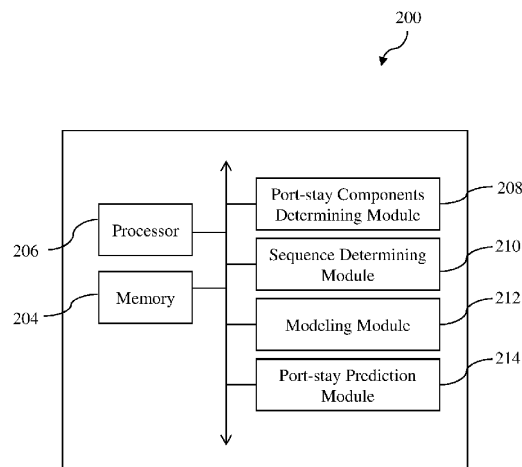


FIG. 2

(57) Abstract: There is provided a method for predicting a port-stay duration of a vessel at a port. The method includes: determining a plurality of port-stay components of the port-stay duration; determining a regression sequence of the plurality of port-stay components, comprising modeling a first port-stay component and each of a plurality of second port-stay components, determining the regression sequence of the plurality of port-stay components based on a relative measure associated to each of the plurality of second port-stay components; modeling each of the plurality of port-stay components in sequence in accordance with the regression sequence determined to obtain a first plurality of sequentially modeled port-stay components; modeling a first port-stay duration based on the first plurality of sequentially modeled port-stay components to obtain a first port-stay duration model; and predicting the port-stay duration based on the first port-stay duration model.

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