

SYSTEM AND METHOD FOR AUTHENTICATING COMMUNICATION WITH A MARITIME VESSEL VIA A CENTRALIZED PLATFORM

ABSTRACT

A system for authenticating communication with a maritime vessel via a centralized platform is provided. The system includes a vessel registration subsystem which receives vessel related parameter(s), compares the unique International Maritime Organization number of the maritime vessel with an International Maritime Organization number linked to the Internet Protocol address received to generate a validation result, generates a unique vessel identity upon generating a positive validation result, and registers the maritime vessel on the centralized platform upon assigning the unique vessel identity to the maritime vessel. The system also includes an authentication subsystem which generates a time-based one-time password after every pre-defined time interval and transmits to at least one of destined device(s) every time a communication link is established between the vessel device and the destined device(s) for authenticating the communication of the destined device(s) with the vessel device on the maritime vessel.

FIG. 1