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(54) Title: SYSTEM FOR THE VERIFICATION OF AUTHENTICITY OF AUTOMATIC IDENTIFICATION SYSTEM (AIS) SIGNATURES BY MEANS OF REMOTE SENSING

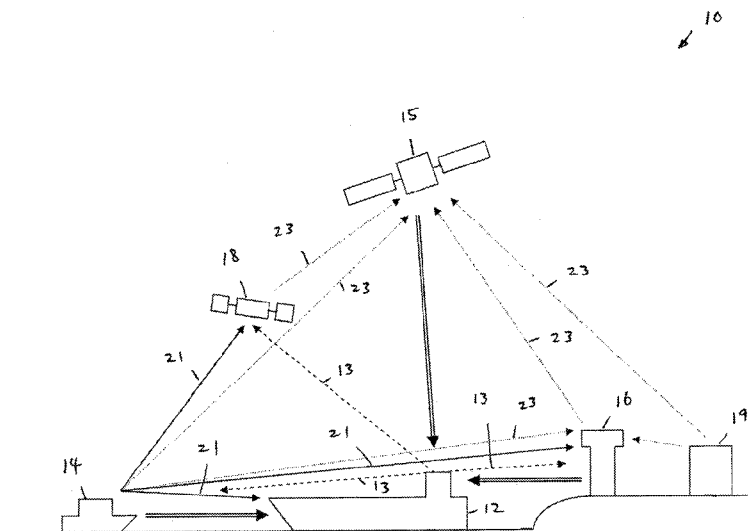


Fig. 1

(57) Abstract: The application provides an Automatic Identification System (AIS) message verification device. The device includes a remote sensing device, an AIS receiver, a processing unit, a communication port. The remote sensing device is used for producing observation information of a vessel. The AIS receiver is used for receiving AIS data of the vessel. The processing unit is used for verifying the vessel AIS data using the vessel observation information. The communication port is used for sending an alert about the AIS data when a verification mismatch occurs.