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

(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.
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A. CLASSIFICATION OF SUBJECT MATTER

H04W 12/06(2009.01), H04W 84/06(2009.01), H04L 9/32(2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04W 12/06; G06F 19/00; H04N 7/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: automatic identification system, vessel, verification, alert

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<tr>
<th>Category</th>
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<th>Relevant to claim No.</th>
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<td>US 2006-0244826 A1 (KHIEN MEOW DAVID CHEW) 02 November 2006</td>
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<td>See abstract; paragraphs [0003], [0004], [0012], [0014], [0015], [0017], [0039],</td>
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<td>[0048]; claims 1,2,4,9 and figures 1-5.</td>
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Information on patent family members

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