Title (en)
Apparatus and method for warning aircraft

Title (de)
Vorrichtung und Verfahren zur Warnung eines Flugzeugs

Title (fr)
Appareil et procédé permettant d'alerter un aéronef

Publication
**EP 2942767 B1 20220622 (EN)**

Application
**EP 14001651 A 20140510**

Priority
EP 14001651 A 20140510

Abstract (en)
[origin: EP2942767A1] Apparatus (10) for warning an aircraft comprises a warning system (16), storage means (14) storing a database of ship identities and corresponding height data, and a ship position receiver (12). An Automatic Identification System (AIS) signal (22) emitted from a ship (20) carries information corresponding to the identity and the position of the ship. If the ship lies on, or within a pre-determined vicinity of, the horizontal trajectory of the aircraft, the warning system uses the ship's identity derived from the AIS signal to look up the height of the ship in the database. If the altitude of the aircraft does not exceed the height of the ship by more than a pre-determined value, the warning system generates a warning signal. The apparatus allows a commercial AIS signal to be used to warn an aircraft of a ship, but avoids false alarms in the event that the altitude of the aircraft significantly exceeds the height of the ship.

IPC 8 full level
**G08G 5/04** (2006.01); **G08G 3/02** (2006.01); **G08G 5/00** (2006.01); **G08G 7/02** (2006.01)

CPC (source: EP)
**G08G 3/02** (2013.01); **G08G 5/0008** (2013.01); **G08G 5/0021** (2013.01); **G08G 5/0086** (2013.01); **G08G 5/045** (2013.01); **G08G 7/02** (2013.01)

Citation (examination)
- JP 3763004 B1 20060405
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- WO 03071371 A1 20030828 - SANDEL AVIONICS INC [US], et al

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CN110500992A; CN114894103A; CN110299029A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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