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 A1 20151111 (EN)

Application
　　EP 14001651 A 20140510

Priority
　　EP 14001651 A 20140510

Abstract (en)
　　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 (search report)
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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

Designated extension state (EPC)
　　BA ME

DOCDB simple family (publication)
　　EP 2942767 A1 20151111; **EP 2942767 B1 20220622**

DOCDB simple family (application)
　　EP 14001651 A 20140510