

Title (en)
METHOD FOR AN AIRCRAFT FOR HANDLING POTENTIAL COLLISIONS IN AIR TRAFFIC

Title (de)
VERFAHREN UND VORRICHTUNG FÜR EIN FLUGZEUG ZUR HANDHABUNG MÖGLICHER KOLLISIONEN IM LUFTVERKEHR

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR UN AÉRONEF PERMETTANT DE GÉRER DES COLLISIONS POTENTIELLES DANS LE TRAFIC AÉRIEN

Publication
EP 3091525 A1 20161109 (EN)

Application
EP 15001337 A 20150506

Priority
EP 15001337 A 20150506

Abstract (en)
The invention relates to a method for an aircraft for handling potential collisions in air traffic, comprising the following steps: a) providing first data of a cooperative first sensor of a cooperative collision avoidance systems CCAS configured to detect a position of one or more cooperative intruders, wherein the CCAS is configured to provide a vertical or horizontal resolution advisory to avoid a collision with these intruders; b) providing second data of a non-cooperative second sensor configured to detect the position of one or more intruders irrespective of whether these are cooperative or non-cooperative intruders; and c) based on first and second data, generating a collision avoid maneuver according to the following principles:
- if second data of the non-cooperative second sensor indicates one or more intruders and a vertical or horizontal resolution advisory is provided by CCAS, an avoid maneuver under the constraints of the vertical resolution or horizontal advisory will be performed in order to avoid collision with these intruders; - if second data of the non-cooperative second sensor indicates one or more intruders and no vertical or horizontal resolution advisory is provided by CCAS an avoid maneuver will be performed in order to avoid collision with these intruders; and - if a vertical or horizontal resolution advisory is provided by CCAS and second data of the non-cooperative second sensor indicates no intruders the vertical or horizontal resolution advisory will be followed. A device for an aircraft for handling potential collisions in air traffic is another aspect of the invention.

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

CPC (source: EP)
G08G 5/0008 (2013.01); **G08G 5/0078** (2013.01); **G08G 5/045** (2013.01)

Citation (applicant)
EP 1798572 A1 20070620 - HONEYWELL INT INC [US]

Citation (search report)

- [XY] EP 2235711 A1 20101006 - AVIAT COMM & SURVEILLANCE SYS [US]
- [YA] US 2010039310 A1 20100218 - SMITH MARK D [US], et al
- [A] FR 2947639 A1 20110107 - AIRBUS OPERATIONS SAS [FR]
- [A] US 6208284 B1 20010327 - WOODELL DANIEL L [US], et al
- [A] EP 2113789 A2 20091104 - HONEYWELL INT INC [US]
- [A] EP 2466569 A1 20120620 - BOEING CO [US]
- [AD] EP 1798572 A1 20070620 - HONEYWELL INT INC [US]

Cited by
CN115394125A; EP3975156A1; WO2022063519A1

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 3091525 A1 20161109

DOCDB simple family (application)
EP 15001337 A 20150506