

Title (en)

SYSTEMS AND METHODS FOR PROVIDING OBSTACLE INFORMATION TO AIRCRAFT OPERATOR DISPLAYS

Title (de)

SYSTEME UND VERFAHREN ZUR BEREITSTELLUNG VON HINDERNISINFORMATIONEN AN FLUGZEUGBETREIBERANZEIGEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR FOURNIR DES INFORMATIONS SUR LES OBSTACLES AUX ÉCRANS DES OPÉRATEURS D'AÉRONEF

Publication

EP 4141841 A1 20230301 (EN)

Application

EP 21211847 A 20211201

Priority

- US 202117485694 A 20210927
- IN 202111034896 A 20210803

Abstract (en)

Disclosed are methods, systems, and non-transitory computer-readable media for transmitting obstacle information to one or more operator displays associated with an aircraft. For instance, the method may include obtaining aircraft flight information including a current position and altitude; retrieving obstacle information for a flight area; scanning the flight area with environment sensors to identify observed obstacles and generate observed obstacle information. The method may further include aggregating the obstacle information with the observed obstacle information of the observed obstacles identified by the environment sensors to generate aggregated obstacle information identifying obstacles in the flight area; determining obstacle characteristics of the obstacles located in the flight area; assigning visual characteristics to each of the obstacles based at least in part on the determined obstacle characteristics; determining a subset of the obstacles relevant to the aircraft; and transmitting information on the relevant subset of obstacles to a display of the aircraft.

IPC 8 full level

G08G 5/00 (2006.01); **G08G 5/04** (2006.01)

CPC (source: EP)

G08G 5/0021 (2013.01); **G08G 5/0052** (2013.01); **G08G 5/0086** (2013.01); **G08G 5/045** (2013.01)

Citation (search report)

- [X1] US 2017309060 A1 20171026 - JOHN KISHORE KUMAR [IN]
- [X1] US 2010060511 A1 20100311 - NOUVEL CHRISTIAN [FR], et al
- [X1] US 2018233052 A1 20180816 - SHAMASUNDAR RAGHU [IN], et al

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)

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