

Title (en)

SYSTEMS AND METHODS FOR PRESENTING ENVIRONMENT INFORMATION ON A MISSION TIMELINE

Title (de)

SYSTEME UND VERFAHREN ZUR DARSTELLUNG VON UMGEBUNGSGEOMETRIEN ÜBER EINE MISSIONSZEITACHSE

Title (fr)

SYSTÈMES ET PROCÉDÉS DE PRÉSENTATION D'INFORMATIONS D'ENVIRONNEMENT SUR UN CALENDRIER DE MISSION

Publication

**EP 3940673 A1 20220119 (EN)**

Application

**EP 21184121 A 20210706**

Priority

- IN 202011029904 A 20200714
- US 202017002904 A 20200826

Abstract (en)

Methods and systems for automating processes of receiving, prioritizing, and grouping weather data into a weather event, extent of weather event, and an associated duration for presentation on a displayed mission timeline in an aircraft having a flight plan (FP). The method includes: receiving, by a controller circuit, weather data, aircraft state data, and aircraft system status data; identifying a weather phenomenon that impacts the FP and creating an information structure for the weather phenomenon, the information structure including at least a type, a subtype, a severity, a start of impact and an end of impact. The method also includes presenting a weather event indicator overlaid on the mission timeline to indicate the weather phenomenon. The rendering of the weather event indicator on the mission timeline additionally depicts on the mission timeline: a start, an end, and duration of the weather event.

IPC 8 full level

**G08G 5/00** (2006.01)

CPC (source: EP)

**G08G 5/0021** (2013.01); **G08G 5/0047** (2013.01); **G08G 5/0052** (2013.01); **G08G 5/0091** (2013.01)

Citation (search report)

- [I] WO 2016099619 A1 20160623 - ROCKWELL COLLINS INC [US], et al
- [I] EP 3660461 A1 20200603 - HONEYWELL INT INC [US]
- [I] EP 3048424 A1 20160727 - HONEYWELL INT INC [US]

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)

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