

Title (en)

ENGINE OUT GO AROUND VERTICAL CLEARANCE SYSTEM AND METHOD

Title (de)

SYSTEM UND VERFAHREN MIT VERTIKALEM ABSTAND FÜR DURCHSTART BEI MOTORABSCHALTUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉGAGEMENT VERTICAL POUR UNE REMISE DES GAZ APRÈS UNE PANNE MOTEUR

Publication

**EP 3992947 A1 20220504 (EN)**

Application

**EP 21204044 A 20211021**

Priority

- IN 202041046641 A 20201026
- US 202117317146 A 20210511

Abstract (en)

A system and method onboard an aircraft generates pilot awareness of obstacle clearance during an engine out (EO) go around (GA) situation. The system herein receives inputs from either a pilot selection or aircraft state change indicating a GA below a published missed approach altitude and also receives an input from an engine status monitor indicating an EO situation. As a GA below the published missed approach altitude does not ensure obstacle clearance with an EO, the systems herein generate a pseudo engine out go around procedure (PEOGAP) which calculates a minimum climb gradient maintaining a minimum separation from all obstacles within an area bound by the published missed approach. Once generated, the systems herein display the PEOGAP to the pilot for adequate obstacle separation and pilot awareness.

IPC 8 full level

**G08G 5/00** (2006.01)

CPC (source: EP)

**G08G 5/0021** (2013.01); **G08G 5/0056** (2013.01); **G08G 5/0086** (2013.01); **G08G 5/0065** (2013.01)

Citation (search report)

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- [A] US 2009030564 A1 20090129 - PETERSON MARK ALAN [US]
- [A] US 2020168104 A1 20200528 - HOLDER BARBARA [US], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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