Title (en)

ADAPTATION OF SELECTIVE TERRAIN ALERTS, AS A FUNCTION OF THE INSTANTANEOUS MANOEUVERABILITY OF AN AIRCRAFT

Title (de)

ANPASSUNG SELEKTIVER GEBIETSALARME ALS FUNKTION DER SOFORTIGEN MANÖVRIERBARKEIT EINES FLUGZEUGS

Title (fr)

ADAPTATION D'ALERTES DE TERRAIN SÉLECTIVES, EN FONCTION DE LA MANOEUVRABILITÉ INSTANTANÉE D'UN GIRAVION

Publication

EP 2289060 B1 20200805 (FR)

Application

EP 09784221 A 20090622

Priority

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- FR 0803537 A 20080624

Abstract (en)

[origin: WO2010007235A1] The invention relates to the formulation of alerts for terrain avoidance by a rotary-wing aircraft (1), which provides for the formulation of an avoidance trajectory (TA) with a proximal section and an avoidance curve (CE). The proximal section (25) is determined as a function of a route sheet for the aircraft (1), and the avoidance curve (CE) forms a conical curve distal section (24) calculated as a function of the instantaneous manoeuvrability of the aircraft (1).

IPC 8 full level

G08G 5/04 (2006.01)

CPC (source: EP US)

G08G 5/045 (2013.01 - EP US)

Citation (examination)

- US 2002036574 A1 20020328 - ISHIHARA YASUO [US]
- US 2006235581 A1 20061019 - PETILLON JEAN-PAUL [FR]
- BARNHART A ET AL: "Rotary wing terrain awareness warning study", 22ND. DASC. THE 22ND. DIGITAL AVIONICS SYSTEMS CONFERENCE PROCEEDINGS. INDIANAPOLIS, IN, OCT. 12 - 16, 2003; [DIGITAL AVIONICS SYSTEMS CONFERENCE], NEW YORK, NY : IEEE, US, vol. 2, 12 October 2003 (2003-10-12), pages 9_A_1_1 - 9_A_1_13, XP010668914, ISBN: 978-0-7803-7844-5

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DOCDB simple family (application)

FR 2009000759 W 20090622; EP 09784221 A 20090622; FR 0803537 A 20080624; IL 20966510 A 20101130; US 52910509 A 20090622