

Title (en)
SYSTEMS AND METHODS FOR ALERTING WHEN AN INTRUDER TREND VECTOR IS PREDICTED TO INTERCEPT WITH AN AIRCRAFT TAXI PATH

Title (de)
SYSTEME UND VERFAHREN ZUR WARNUNG, WENN EIN EINDRINGLINGSTRENDVEKTOR ZUR INTERZEPTION MIT EINEM FLUGZEUGTAXIPFAD VORHERGESAGT WIRD

Title (fr)
SYSTÈMES ET PROCÉDÉS D'ALERTE LORSQU'UN VECTEUR DE TENDANCE D'INTRUSION EST PRÉDIT POUR S'INTERCEPTER AVEC UN TRAJET DE ROULAGE AU SOL D'UN AÉRONEF

Publication
EP 4160572 A1 20230405 (EN)

Application
EP 22195044 A 20220912

Priority
• IN 202111044413 A 20210930
• US 202217663467 A 20220516

Abstract (en)
A system and method for alerting when a trend vector associated with a traffic aircraft is predicted to intercept a travel route of an ownship aircraft. A control module receives real-time aircraft state data, flight plan data, and traffic data associated with the traffic aircraft. The control module processes these data and constructs the travel route of the ownship aircraft from the current location to the intended destination. The control module generates the trend vector associated with the traffic aircraft, predicts a location of an intersection of the trend vector and the travel route, determines an amount of time it will take for the ownship aircraft to reach the location of the intersection, and generates display commands that cause the display device to generate an alert that visually distinguishes the location on the image based at least in part on the amount of time.

IPC 8 full level
G08G 5/00 (2006.01); **G08G 5/06** (2006.01)

CPC (source: EP)
G08G 5/0008 (2013.01); **G08G 5/0013** (2013.01); **G08G 5/0021** (2013.01); **G08G 5/065** (2013.01)

Citation (search report)
• [X] US 2016063869 A1 20160303 - KATHIRVEL KANNAN [IN], et al
• [X] US 2020090531 A1 20200319 - BALADHANDAPANI GOBINANTHAN [IN], et al
• [X] US 2016196754 A1 20160707 - SURACE LAWRENCE J [US]
• [X] US 2018357911 A1 20181213 - CHARTIER ERIC R [US], 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)
BA ME

Designated validation state (EPC)
KH MA MD TN

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