Title (en)
COLLISION AWARENESS USING HISTORICAL DATA FOR VEHICLES

Title (de)
KOLLISIONSBEWUSSTSEIN MIT HISTORISCHEN DATEN FÜR FAHRZEUGE

Title (fr)
SENSIBILISATION DE COLLISION À L'AIDE DE DONNÉES HISTORIQUES POUR VÉHICULES

Publication
EP 3866139 A1 20210818 (EN)

Application
EP 21154155 A 20210128

Priority
- IN 202011006508 A 20200214
- US 202017070830 A 20201014

Abstract (en)
This disclosure is directed to methods, computer program products, and systems for providing surface vehicle tracking data, including indications of potential collision zones, to an airport map display system onboard an aircraft. In one example, a method includes identifying historical navigation route data, aerodrome guidance features, and a predicted path of a first vehicle. The method further includes determining predicted positions along the predicted path and determining predicted positions of a second vehicle and comparing vehicle envelopes for the two vehicles to determine a predicted collision zone of the vehicles.

IPC 8 full level
G08G 5/06 (2006.01); **G08G 5/04** (2006.01)

CPC (source: CN EP)
G08G 5/0013 (2013.01 - EP); **G08G 5/0021** (2013.01 - EP); **G08G 5/0073** (2013.01 - CN); **G08G 5/04** (2013.01 - CN); **G08G 5/045** (2013.01 - EP); **G08G 5/065** (2013.01 - EP)

Citation (applicant)
- IN 202011006508 A 20200214
- US 2016196754 A1 20160707 - SURACE LAWRENCE J [US]

Citation (search report)
- [XD] US 2016196754 A1 20160707 - SURACE LAWRENCE J [US]
- [A] US 2019228668 A1 20190725 - WANG RUI [CN], et al
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US12007774B2

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)
EP 3866139 A1 20210818; CN 113838309 A 20211224

DOCDB simple family (application)
EP 21154155 A 20210128; CN 202110157742 A 20210204