

Title (en)

SYSTEMS AND METHODS FOR DETECT AND AVOID SYSTEM FOR BEYOND VISUAL LINE OF SIGHT OPERATIONS OF URBAN AIR MOBILITY IN AIRSPACE

Title (de)

SYSTEME UND VERFAHREN ZUR ERKENNUNG UND VERMEIDUNG VON LUFTFAHRZEUGEN FÜR DEN BETRIEB AUSSERHALB DER SICHTLINIE FÜR DIE STÄDTISCHE LUFTMOBILITÄT IM LUFTRAUM

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR DÉTECTER ET ÉVITER LES OPÉRATIONS DE MOBILITÉ AÉRIENNE URBAINE DANS L'ESPACE AÉRIEN AU-DELÀ DE LA LIGNE DE VISÉE VISUELLE

Publication

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Application

EP 21211534 A 20211130

Priority

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Abstract (en)

Disclosed are methods and systems, for a detection and avoidance system for beyond visual line of sight operations of urban air mobility in airspace. For instance, the method may include: receiving tracking data from a first source, the tracking data including information identifying a position of a tracked object within a radius of the vehicle, receiving map data from a second source, the map data comprising information identifying a position and/or a status of a mapped object within a radius of the vehicle, receiving sensor data from one or more sensors, determining a position of a target object within a radius of the vehicle by analyzing the tracking data, the map data, and/or the sensor data, and continuously determining whether to perform an adjustment to a route of the vehicle based on the determined position of each target object within the third predetermined radius of the vehicle.

IPC 8 full level

G08G 5/00 (2006.01)

CPC (source: EP)

G08G 5/0008 (2013.01); **G08G 5/0013** (2013.01); **G08G 5/0021** (2013.01); **G08G 5/0078** (2013.01); **G08G 5/045** (2013.01)

Citation (search report)

- [XYI] US 2021065566 A1 20210304 - LI JUN [US], et al
- [XAI] US 2020251002 A1 20200806 - BALASUBRAMANIAN JAYASENTHILNATHAN [IN], et al
- [XAI] JP 5993143 B2 20160914
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Designated contracting state (EPC)

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Designated extension state (EPC)

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