

Title (en)  
METHOD FOR DETERMINING THE PATH OF AN UNMANNED AERIAL DEVICE AND OTHER ASSOCIATED METHODS

Title (de)  
VERFAHREN ZUR BESTIMMUNG DES WEGS EINER UNBEMANNTEN LUFTVORRICHTUNG UND ANDERE ZUGEHÖRIGE VERFAHREN

Title (fr)  
PROCÉDÉ DE DÉTERMINATION DE TRAJET D'UN APPAREIL AÉRIEN NON HABITÉ ET AUTRES PROCÉDÉS ASSOCIÉS

Publication  
**EP 3994678 A1 20220511 (FR)**

Application  
**EP 20747472 A 20200701**

Priority  
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Abstract (en)  
[origin: CA3144577A1] A modelling method using digital processing of a three-dimensional environment to establish pathways for unmanned aerial devices which are optimised according to different priorities, the method being characterised in that it comprises the following digital processing steps: (a) providing a three-dimensional model of volumes (PEXi) wherein flight is prohibited, (b) subdividing the model into individual elements (PVk), (c) determining a centre (Pk) for each individual element, (d) establishing and memorising a graph, the nodes (Pk, Ik) of which are formed by at least one portion of the centres, and the branches of which are weighted by the distances between the nodes and by at least one weighting associated with a given priority. A method is also proposed for determining, using an unmanned aerial device, a path between two points in a three-dimensional space modelled by such a graph, and steering methods using such a determination.

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