

Title (en)

SYSTEM AND METHOD FOR LAUNCHING AND LANDING UAVs

Title (de)

SYSTEM UND VERFAHREN ZUM STARTEN UND LANDEN UNBEMANNTER FLUGKÖRPER

Title (fr)

SYSTÈME ET PROCÉDÉ DE LANCEMENT ET D'ATERRISSAGE DE VÉHICULES AÉRIENS SANS PILOTE (UAV)

Publication

EP 2766260 A4 20150701 (EN)

Application

EP 11874051 A 20111012

Priority

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Abstract (en)

[origin: WO2013055265A1] The present invention relates to a system and method for automatic launch and landing UAVs (Unmanned Aerial Vehicles). The system comprises a ground station adapted for automatic UAV launching and landing. The ground station comprises: means for communication with UAVs present within a range from the ground station; an arrangement adapted for launching UAVs and for capturing in-flight UAVs, said arrangement having at least one controllable arm; a computing unit arranged to compute a meeting point between the at least one controllable arm and one in-flight UAV based on data communicated between the UAV and the ground station by means of said means for communication; and a control unit arranged to control the at least one arm to capture an in-flight UAV at the meeting point or to launch one UAV. The system is characterized in that the control unit is arranged to control the at least one arm to move a UAV between the meeting point and at least one storage position.

IPC 8 full level

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Citation (search report)

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- [A] DR W J CROWTHER: "Perched landing and takeoff for fixed wing UAVs", [HTTPS://WWW.ESCHOLAR.MANCHESTER.AC.UK/API/DATASTREAM?PUBLICATIONPID=UK-AC-MAN-SCW:2E1122&DATASTREAMID=FULL-TEXT.PDF](https://www.escholar.manchester.ac.uk/API/DATASTREAM?PUBLICATIONPID=UK-AC-MAN-SCW:2E1122&DATASTREAMID=FULL-TEXT.PDF), 31 October 2000 (2000-10-31), APPLIED VEHICLE TECHNOLOGY SYMPOSIUM, Ankara, XP055189314
- See also references of WO 2013055265A1

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