

Title (en)

METHOD AND APPARATUS FOR POSITIONING AN INSPECTION DRONE WITH RESPECT TO A STRUCTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR POSITIONIERUNG EINER INSPEKTIONSDROHNE IN BEZUG AUF EINE STRUKTUR

Title (fr)

PROCÉDÉ ET APPAREIL DE POSITIONNEMENT D'UN DRONE D'INSPECTION PAR RAPPORT À UNE STRUCTURE

Publication

**EP 4367567 A1 20240515 (EN)**

Application

**EP 21742083 A 20210705**

Priority

EP 2021068489 W 20210705

Abstract (en)

[origin: WO2023280377A1] A method (700) for use in positioning a drone (102) with respect to a structure (101). The drone comprises a camera (103) having an optical system and an image sensor configured to produce an image (190) having a height and a width. The method includes obtaining (s702) a height value, HT, indicating an estimated height of the structure, a set of parameters associated with the camera, the set of parameters includes a focal length parameter, f, indicating a focal length of the optical system of the camera and a height parameter, H<sub>j</sub>, indicating said height of the image. The method includes determining (s706), based on HT, f, and H<sub>j</sub>, at least one of: i) a first distance value indicating a horizontal or vertical distance, dl, or ii) an angle value indicating an angle for the camera, Θ

IPC 8 full level

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