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(54) Title: METHOD FOR CONTROLLING THE MOTION OF A TARGET DRONE

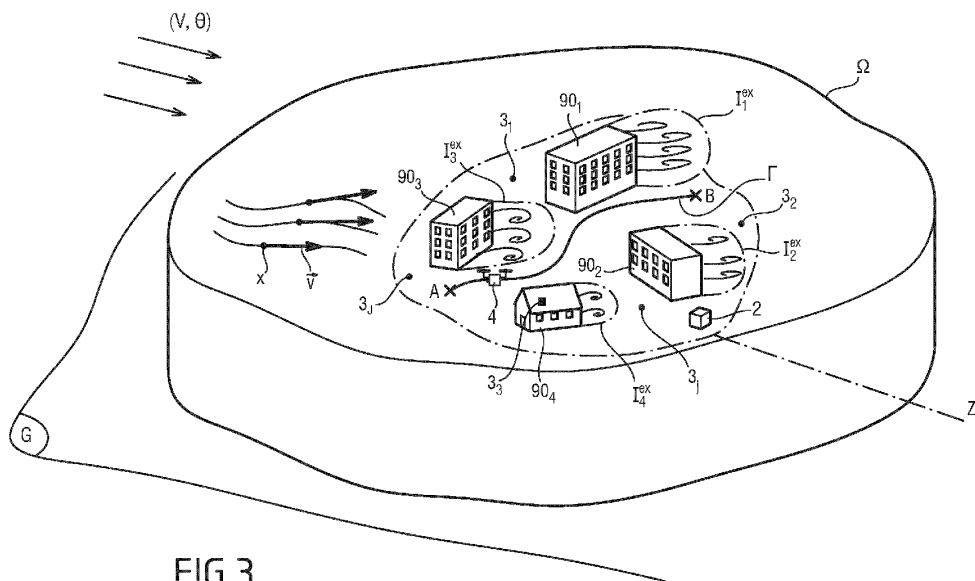


FIG.3

(57) **Abstract:** Method for controlling the motion of a target drone Method (100) for controlling a motion of a target drone (4) inside a geographical area of interest (Z), comprising the steps of : - acquisition (110), by a plurality of measuring devices located throughout the geographical area of interest, of a plurality of measures of values of wind parameters, the wind parameters comprising an amplitude and an orientation of the wind; - determining (130), from the plurality of measures, boundary conditions, defined as values of the wind parameters at a boundary of a domain surrounding the geographical area of interest; - determining (140), by using a first parametric function that depends on the boundary conditions only, a wind field, the wind field providing the values of the wind parameters in any point inside the domain; and, - controlling (160) the target drone by taking into account the wind field.

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