Claims

[Claim 1]

An unmanned aircraft including a plurality of rotors, the unmanned aircraft comprising:

a plurality of motors configured to drive the plurality of rotors respectively; and

a control unit configured to control at least the plurality of motors, wherein

the control unit controls the plurality of motors to automatically fly in accordance with information on a flight route to a destination site,

the information on the flight route includes one or more via-points and a correspondence relationship between the one or more via-points and a plurality of predetermined sites, and

the control unit identifies, in the case of having detected an abnormality during flight, a forced landing site from among the plurality of predetermined sites based on the correspondence relationship in such a manner that the forced landing site corresponds to one or more passed via-points where the unmanned aircraft has passed through, and controls at least part of the plurality of motors to make a landing at the identified forced landing site.

[Claim 2]

The unmanned aircraft according to claim 1, wherein the plurality of predetermined sites includes any of the one or more via-points.

[Claim 3]

The unmanned aircraft according to claim 1, wherein the plurality of predetermined sites includes an arbitrary site set by an operator or a site set on a map in advance.

[Claim 4]

The unmanned aircraft according to any one of claims 1 to 3, further comprising a soft landing device for making a soft landing, wherein the control unit actuates the soft landing device when the abnormality during flight is detected and a landing at a specific forced landing site is impossible.

[Claim 5]

The unmanned aircraft according to any one of claims 1 to 4, wherein the control unit detects the abnormality, based on information received from outside.

[Claim 6]

The unmanned aircraft according to any one of claims 1 to 5, wherein the control unit controls the plurality of motors via a motor driving control unit and detects the abnormality in one or more of the plurality of motors, based at least on operation information of the plurality of motors received from the motor driving control unit.

[Claim 7]

A method for controlling an unmanned aircraft including a plurality of rotors, the method comprising the steps of:

in a case of having detected an abnormality during flight, identifying a forced landing site; and

controlling at least part of a plurality of motors configured to drive the plurality of rotors respectively, to make a landing at the identified forced landing site, wherein

the method further comprises a step of controlling the plurality of motors to automatically fly in accordance with information on a flight route to a destination site,

the information on the flight route includes one or more via-points and a correspondence relationship between the one or more via-points and a plurality of predetermined sites, and

the step of identifying includes identifying the forced landing site from among the plurality of predetermined sites based on the correspondence relationship in such a manner that the

forced landing site corresponds to one or more passed via-points where the unmanned aircraft has passed through.