

ABSTRACT

ROTARY-WING AIRCRAFT

A center C of a connecting portion 16 coincides with a center U of lift generated in a body of a rotary-wing aircraft 10. The center C of the connecting portion 16 is a point of action of gravitational force of a support rod 21 and a first mounting portion with respect to the connecting portion 16. The center U of the lift is a point of action of the lift on the rotary-wing aircraft 10 and is the center of rotation of the connecting portion 16. Since the center U of the lift generated in the rotary-wing aircraft 10 is positioned at the center C of the connecting portion as described above, even in the case where the body of the rotary-wing aircraft 10 is inclined, the support rod 21 and the first mounting portion rotate around the center C of the connecting portion, and thus no rotational moment due to heavy load such as a camera 28 occurs around the center U of the lift. This makes it possible to reduce, in a case where a rotary-wing aircraft including a plurality of rotary wings travels in the horizontal direction, the difference in the rotational speeds of rotary wings on the front side and on the rear side in the traveling direction compared with a conventional case.

Fig. 1