

Abstract

Provided is a buoyant aerial vehicle which can secure high safety by reducing the risk of crashing, and which can facilitate control of movement by suppressing the influence of wind and exhibit high mobility capability. The buoyant aerial vehicle is configured by including: a buoyant vehicle body in which gas having a specific gravity smaller than air is hermetically filled; a vertical propulsion propeller which provides vertical propulsive force to the buoyant vehicle body; and a horizontal propulsion propeller which provides horizontal propulsive force to the buoyant vehicle body, and is configured such that the buoyant vehicle body has horizontal wind passages formed in at least two directions, and has outer peripheral edges each formed into an acute angle in side view.