

LOCALIZATION DEVICE AND LOCALIZATION METHOD FOR UNMANNED AERIAL VEHICLE

Abstract

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Improved localization processing for an unmanned aerial vehicle is provided.

The foregoing problem is solved by a localization device for an unmanned aerial vehicle including a light source for irradiating a target
10 object around the unmanned aerial vehicle, a light-collecting sensor for acquiring reflected light from the target object as image data, and a localization unit for estimating a relative position of the unmanned aerial vehicle to the target object using the image data acquired by the light-collecting sensor, wherein the light source includes a laser for emitting
15 light distinguishable from ambient light, and a diffuser for diffusing the light from the laser, and the light-collecting sensor is configured to sense light distinguishable from ambient light with respect to reflected light from the target object.

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[Fig. 4]