

UNMANNED TRANSPORT SYSTEM

ABSTRACT

The present invention aims to provide a new unmanned transport system for transporting a weight object to a destination location on the premise that it travels on a designated flow line.

An unmanned transport system (100) is configured to transport a weight object (53) by traveling on a designated virtual flow line (210) to a designated destination location and comprises: an unmanned transport vehicle (300) configured to travel unmanned according to a control signal; one or more cameras (10) configured to image a field (50) on which the unmanned transport vehicle (300) is to travel from above the field (50) to generate a still image or video; and an operation control means (20) configured to generate the control signal for controlling such that the unmanned transport vehicle (300) travels on the virtual flow line (210) based on the still image or video. The operation control means (20) comprises: a detecting portion (21) configured to detect the unmanned transport vehicle (300) from the still image or video; a position grasping portion (22) configured to grasp a position of the unmanned transport vehicle (300) in the field (50) without being based on a sensor equipped with the unmanned transport vehicle (300) using a result of a detection by the detecting portion (21); and a control portion (24) configured to generate the control signal based on the position of the unmanned transport vehicle (300) which the position grasping portion (22) grasps.

Fig. 4