

ADAPTIVE AIR CONDITIONING SYSTEM FOR TRANSPORT CABIN, CONTROL METHOD FOR THE SYSTEM, AND CARRIER WITH THE SYSTEM

Abstract

An adaptive air conditioning system, a method for the system, and a carrier equipped with the system are disclosed. The carrier includes at least one adaptive air conditioning system. The carrier has a body, which includes at least one cabin
5 defining a compartment for accommodating transported objects, such as passengers or cargos. The adaptive air conditioning system includes temperature collecting apparatus, temperature control apparatus, and a microcontroller. The temperature control apparatus includes a liquid circulation unit, an air circulation unit, and a control switch. With the adaptive air conditioning system, the air and internal
10 installation in the compartment can be controlled at a predetermined temperature more promptly, efficiently, uniformly, and flexibly, thus increasing comfort level for the passengers or meeting the temperature requirements for the cargos.

Fig. 2