

Abstract

Disclosed are a battery swapping station and a control method therefor. The battery swapping station comprises: a first charging compartment and a second charging compartment; a first battery swapping platform, the first battery swapping platform being arranged between the first charging compartment and the second charging compartment; a first shuttle and a second shuttle, both of which respectively travel back and forth between the first charging compartment, the second charging compartment, and the first battery swapping platform; and a control unit, the control unit being electrically connected to the first shuttle and to the second shuttle, used for controlling the first shuttle and the second shuttle to perform the following operation: when operating a same vehicle on the first battery swapping platform, if the first shuttle is executing either operation of battery unmounting or battery mounting, the second shuttle executes the other operation of battery unmounting or battery mounting. The battery swapping station and the control method therefor, by means of alternating operations of the first shuttle and the second shuttle, reduces the waiting time for vehicles when swapping batteries, thus increasing the battery swapping efficiency of the battery swapping station.