

ABSTRACT

Disclosed is an automatic docking and separation device, which is configured to perform docking and separation between a first connector and a second connector which is capable of making electrical contact with the first
5 connector, wherein the first connector and the second connector are used for transmitting electric energy; as well as The invention also relates to a method for operating an automatic charging vehicle and an automatic charging system. Through the present invention, automatic walking and automatic docking can be realized, thereby greatly improving the charging efficiency and reducing the
10 charging cost.

FIG. 2