ABSTRACT

The present disclosure provides a thermal management apparatus for an electric vehicle, the thermal management apparatus includes a connecting apparatus, where the connecting apparatus includes: an air intake port provided on a first end of the connecting apparatus; an air outlet port provided on a second end of the connecting apparatus; and a channel provided within the connecting apparatus and used for gas flow, where one end of the channel is the air intake port and the other end of the channel is the air outlet port, where the air intake port is used to receive gas, a temperature of the gas flowing in through the air intake port being lower than an ambient temperature of an environment where the thermal management apparatus is located, and the gas flows out through the air outlet port after passing through the channel, and where the second end of the connecting apparatus is used to connect or contact a grille of the electric vehicle, an edge of the second end of the connecting apparatus being able to cover the grille of the electric vehicle, and a temperature of the gas flowing out through the air outlet port is lower than the ambient temperature, to cool a component inside the grille.

Fig. 1