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(54) **SYSTEMS AND METHODS FOR COOLING
OF AN ELECTRIC ENERGY STORAGE
DEVICE**

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ABSTRACT

Methods and systems are provided for cooling an electric energy storage device. In some examples, a system includes an electric energy storage device comprising a plurality of battery cells, and a plurality of busbars coupled to the electric energy storage device, each busbar including a respective busbar cooling channel fluidly coupled to a cooling system including a heat exchanger, wherein coolant in the cooling system is configured to flow through each respective busbar cooling channel.

