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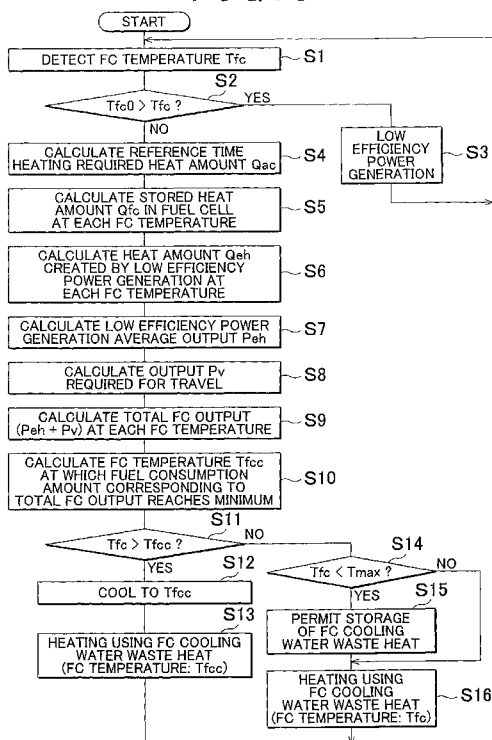
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(54) Title: FUEL CELL VEHICLE AIR-CONDITIONING APPARATUS AND CONTROL METHOD THEREOF

FIG. 3



(57) Abstract: A fuel cell vehicle air-conditioning apparatus includes: a cooling system (500) that adjusts a temperature of a fuel cell (2); a waste heat collection unit (61) that collects at least a part of waste heat from the fuel cell (2) and uses the collected waste heat to heat a cabin interior of the fuel cell vehicle; and a heat creation unit (2) that creates heat for heating the fuel cell vehicle. The fuel cell vehicle air-conditioning apparatus calculates a fuel consumption amount required for the fuel cell (2) to generate a total power generation amount, which is a sum of a heating power generation amount and a travel power generation amount, calculates an optimum temperature, which is a temperature of the fuel cell (2) at which the fuel consumption amount reaches a minimum, and controls the cooling system (500) such that the temperature of the fuel cell (2) reaches the optimum temperature.

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