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Pursifull

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(54) **EXHAUST THROTTLING FOR CABIN HEATING**

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See application file for complete search history.

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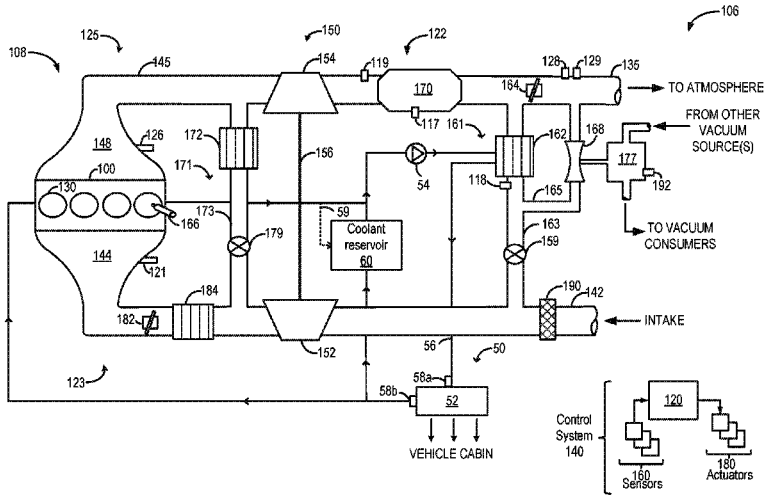
(57) **ABSTRACT**

Embodiments for heating a vehicle cabin are disclosed. In one example, a method for heating a vehicle cabin comprises closing an exhaust throttle while diverting at least a portion of throttled exhaust gas through an exhaust gas recirculation (EGR) cooler coupled upstream of the throttle, and transferring heat from the EGR cooler to a heater core configured to provide heat to the vehicle cabin. In this way, exhaust heat may be directly routed to the cabin heating system.

20 Claims, 5 Drawing Sheets