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(54) **USE OF COMPUTATIONALLY GENERATED THERMAL ENERGY**

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(57) **ABSTRACT**

In one aspect, a computing device-implemented method includes receiving at least one triggering event signal from one or more components of a heat recovery system. The method also includes determining, based in part on the at least one triggering event signal, a computation workload assignment to be executed on one or more computation devices. The method further includes sending one or more command signals to the one or more computation devices. The one or more command signals include a portion of the computation workload assignment for execution by the one or more computation devices. The method also includes initiating capture of heat energy to be stored in one or more heat reservoirs, the heat energy being generated by the one or more computation device based upon the computation workload assignment.