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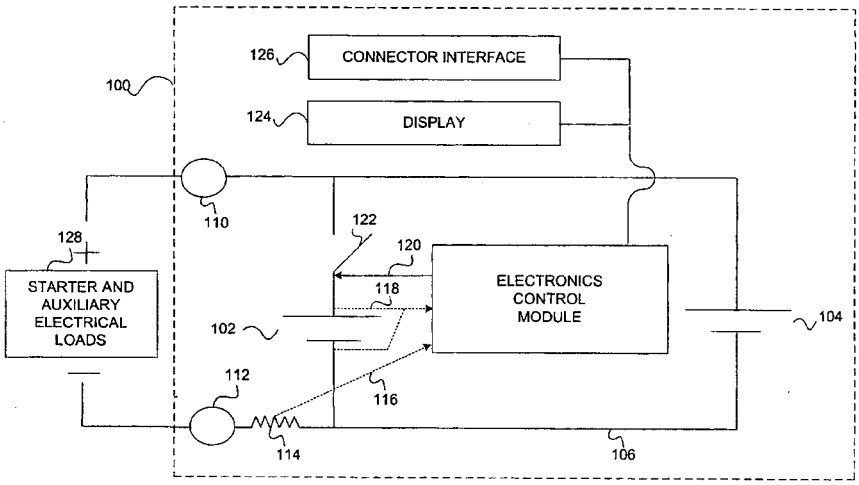
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(54) Title: MULTIPLE BATTERY SYSTEM AND METHOD



(57) Abstract: A multiple battery system (100) and method for starting internal combustion engines and for powering auxiliary functions that operate primarily when the engine is not running is disclosed. A first battery (102) is used for starting the engine. A second battery (104) is used to power the auxiliary features when the engine is not running. The first battery (102) is a high output battery that produces high bursts of energy for limited amounts of time. The second battery (104) has a low power output over a fairly long period of time. A circuit (106) that has an on/off switch (122) controlled by an electronics control module (108) connects the batteries. The second battery (104) is always on line in the circuit. The electronic control module (108) monitors the circuit to detect a start engine event. When a start engine event is detected, the electronics control module (108) connects the first battery (102) to the circuit with the switch (122). When the start engine event is over, the electronics control module (108) disconnects the first battery (102) from the circuit (106) with the switch (122).

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