VEHICLE GENERATOR USING BATTERY CHARGING PROFILES

ABSTRACT

A system for generator-based charging of a battery module may include the battery module, a sensor located adjacent the battery module, a generator controller comprising a processor and a non-transitory memory device storing instructions. The instructions, when executed by the processor, cause the generator controller to analyze one or more sensor signals received from the sensor. The sensor signals may correspond to a condition of the battery module. The generator controller may then calculate, based on the one or more sensor signals, a generator current value for use in charging the battery module. Next, the generator controller may generate a control signal comprising a command that may cause the generator to provide a charging current having the current value.

(No suitable figure)