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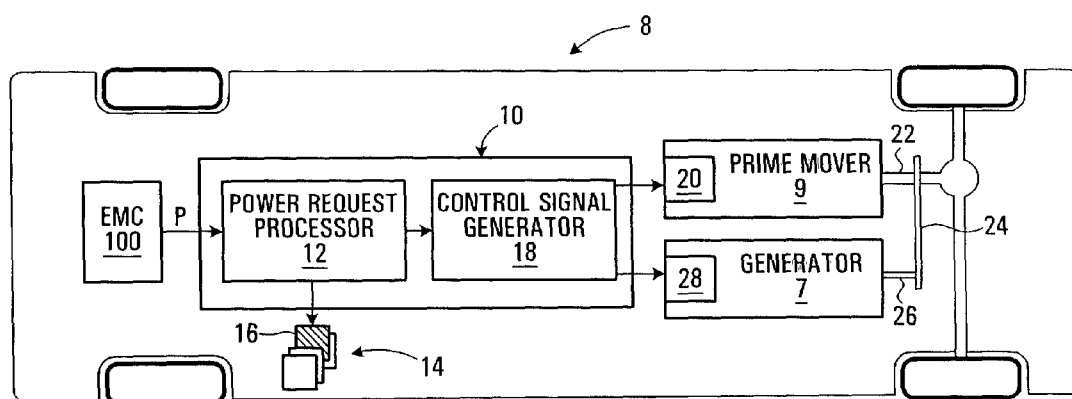
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(54) Title: PROCESS, APPARATUS, MEDIA AND SIGNALS FOR CONTROLLING OPERATING CONDITIONS OF A HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTICS OF THE VEHICLE



(57) Abstract: Process, apparatus, media and signals are disclosed for controlling a supply of power from an electric generator in a hybrid electric vehicle having a prime mover supplying mechanical energy to the generator. The process carried out by the apparatus and defined by codes on the media and in codes in the signals involves locating, from among a plurality of sets of vehicle operating conditions associated with a requested generator power value, an optimal set of operating conditions that optimizes operating characteristics of the vehicle and producing signals for controlling the prime mover and the generator to operate the vehicle at the optimal set of operating conditions, to supply power at the requested generator power value. The present invention also provides a way of producing vehicle performance records for use in producing signals for controlling the prime mover and the generator to achieve the optimized operating characteristics.