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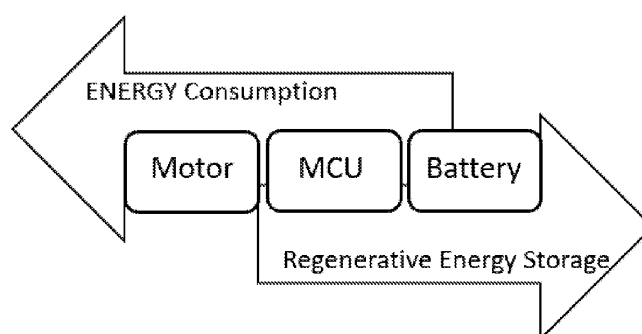


Figure 1

(57) Abstract: A system and method for storing instant regeneration in an electric vehicle during regenerative braking. The system includes an energy storage device, an energy regulating device coupled to the energy storage device, a source of regenerative power configured to capture a regenerative energy during a regenerative power generation of the vehicle, and a motor control unit coupled to the energy regulating device. The motor control unit is configured to transfer of the generated electrical energy to the energy storage device on estimating the generation of the regenerative power using the energy regulating device.



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