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Press Release – Patent

New Operator Driving Feature that Increases Vehicle Efficiency

David Aberizk, President of Integrated Consultants, a Design and Rapid Prototype R&D Firm supporting Federally Regulated and Military Industries, submits a Utility Patent that offers vehicle operators a new driving feature that will significantly increase the operational range of new or retrofit Electric and Hybrid vehicles. The adaptable patent concept utilizes evolving regenerative hardware systems technology that can transition to all motor vehicles, offering the catalyst to engage emerging electric vehicle energy recovery technologies to all vehicles. This concept along with a modification of motor vehicle resources for energy consuming accessories will offer a significant step towards reduced dependence on oil.

The economies of scale will offer efficient cost competitive devices yielding true innovation, and allow energy recovery/storage technology that has taken hold with electric vehicles to flourish with motor vehicles. The mindset of directly including a vehicle operator to safely and effectively leverage kinetic energy recovery will have appeal to drivers who will utilize this Green Technology because of its performance characteristics.

This patent allows vehicle operators to better leverage state-of-the-art energy recovery regenerator devices available on the vehicle. Currently the mindset of automakers is to utilize these devices in a passive manner seamless to the operator. So as to keep functionality and expected vehicle response of Electric or Hybrid vehicles indistinguishable from motor vehicles. The commonality of response has been achieved. This patent takes these energy positive features and allows the operator to intuitively utilize them in a true energy generating manner complementing the passive algorithms associated with the device.

The first component of an operator initiated engagement of the regenerator for the purpose of slowing a vehicle is safety. To safely slow a vehicle a consistently positioned indicator of a standard color be illuminated to an intensity equal to brake lights that offers following motorists a clear immediate consistent indication of the act of slowing. The slowing indicator should not be confused with brake lights, and by definition is off if the brakes are applied. We have defined the attributes of a slowing indicator that could be used as a primer for a vehicle standard that is consistent with National Highway Traffic Safety Administration guidelines.

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Additional Patent details on the Integrated Consultants web site <http://www.integratedconsultants.com/>
December 20, 2011

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