

(54) Title of the invention : A HYBRID ELECTRIC VEHICLE AND A METHOD TO GENERATE ENERGY FOR THE SAME

(51) International classification :B60K 063650, B60K 064450, B60K 064800, B60W 100600, B60W 100800

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

A hybrid electric vehicle (100) operating on multiple sources of energy is provided. The hybrid electric vehicle (100) includes a plurality of electrical energy generators (102) selected from a photovoltaic (PV) array (104), a wind turbine (106), and a hydrogen fuel cell unit (108) to generate an electrical energy. The present disclosure further discloses a method for generating electrical energy for hybrid electric vehicle (100). The hybrid electric vehicle (100) is very fuel-efficient compared to the ICE vehicles. The battery is recharged on board and the hybrid electric vehicle 100 doesn't need to be standby for charging. The hybrid electric vehicle 100 is both cost-effective and environmentally friendly, as many governments around the world have introduced tax credits and incentives for buyers and owners of hybrid vehicles.

No. of Pages : 19 No. of Claims : 10