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(57) Abstract :

The present invention relates to a system and method for charging battery of a running two-wheeler with wind turbine unit. The two-wheeler is run by a first battery B1 and as the speed of the running vehicle increases, the channelized air from the air vent (5) via a Y-shaped channel (24) strikes the turbine (18). The turbine (18) starts rotating, and this rotation of the turbine (18) is used to charge a back-up or a second battery B2 (17). When the charge of the first battery (16) goes beyond a minimum level, an automatic switching module in the BMS (Battery Management System) changes the power source from the first battery (16) to the second battery (17). This process continues, allowing the user to move freely on the road without frequently stopping to charge the battery now and then. Using this innovative design and power through wind energy to charge a battery, it is just needed to charge the battery once in a home or a parking space using electricity, and then when running on the road, wind energy will be mainly used to charge the battery. [figure 1]

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