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(57) Abstract :
ABSTRACT A SELF-POWERED ELECTRIC VEHICLE The present invention relates to a self-powered electric vehicle which provides quick and effective charging. The system effectively utilizes the wind speed while the vehicle is in motion. Initially when the rider pedals, the back wheel rotates which in turn rotates the front wheel in the forward direction. The two wind turbines that are mounted to the shaft of front wheel on to its either side rotates backwards due to the wind direction being opposite as against the forward movement of the bicycle. While the front wheel rotates forward, the wind turbines rotate backwards, due to the wind force being impressed on the blades of both the wind turbines. The generator’s shaft is connected to the shafts of both the wind turbines through a belt-drives which becomes the prime mover to the generator, thus producing the required voltage. Published with Figures 1, 2

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