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(57) Abstract :
ABSTRACT The present disclosure introduces a integrated wind power system for sustainable electric vehicles 100 which is pioneering system to enhance electric vehicle (EV) charging efficiency by harnessing wind energy. This innovative system integrates miniature wind turbines onto vehicles, allowing for the generation of electricity while in motion. It comprises of rotor 102, gearboxes 104, electric generators 106, electric wires 108, utility hooks 110, outer body 112, low-speed shaft 114 and high-speed shaft 116. These components work synergistically to convert wind energy into electrical power, which is stored in the vehicle's batteries. Reference Fig 1

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