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(57) Abstract :
A multi-functional dynamic wireless charging system for electric vehicles 202, comprising piezoelectric plates 101 installed on a section of road for harnessing electric energy produced upon passage of vehicles 202 over the plates 101, power storage unit 102 storing harnessed electric energy, windmills 103 rotates due to surrounding wind and wind generated upon passage of the vehicles 202, solar panel 104 harnessing electric energy from solar radiations, transmission coils 105 for detecting a vehicle 202 approaching the section of road, a touch enabled screen 201 accessed by driver of the vehicle 202 to give commands regarding a destination to be reached, transmission coils 105 paired with the power storage unit 102 and a voltage regulator supplies power to the transmission coil 105 allowing transmission of charge and received by a receiving coil 301 installed with each of the vehicle 202 for charging the battery of vehicle 202.

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