

Wireless Charging System in Electric Vehicles

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Abstract: Invention of the electric cars leads to be good in rate of consumption of fuel (electricity) is low and some of the companies focused on the wireless charging technology with unaffected on the weather conditions may easier in the charging of the automobile.



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INTRODUCTION

Most of the companies were focused on the wireless charging technology which is improved in the electric cars were unaffected in the charging during weather conditions. we are focused on the inductive wireless charging is implementing in the charging stations, car garages, shopping malls, cinema halls and road signals.

STRUCTURE OF PAPER

The paper is organized as follows In section 1 the introduction of the paper is provided along with the structure objectives and overall description. In section 2 we have complete information of processing in section 3 implementing of the process in section 3 tell us about the future scope and concludes the paper with reference.

During rainy season the charging may work lead to be effect on the driver then it is used to make an non effect in the rainy season. No more waiting at charging stations for hours, now get your vehicle charged by just parking it on parking spot or by parking at your garage or even while driving you can charge your electric vehicle.

PROCESS

The complete process of the project as It consists of a ground unit, vehicle unit which consists of a coil makes an effect in induction of the coils contacts with each other an effect of faradays law to passage of the electricity. It works on the principle of faradays law Already we know the technology of the inductive wireless charging system.



Figure : 2.1 Wire Less Charging System

IMPLEMENTING

Implementing of the wireless charging system at main as traffic signals and toll plazas We have to implement the project on road at the traffic signals and toll plazas It worked on the principle of dynamic wireless charging system



Figure : 3.1 Block Diagram

FUTURE SCOPE AND CONCLUSION

The project is aimed to be further improvement in the development of the electric cars and technology with an effect of reducing the fuel cost, increase in efficiency and complete reduction in emissions of the fuel

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