

## **Automotive Wireless Charging Control System - Vehicle Side**

### **Disclosure Number**

201403293

### **Technology Summary**

The invention relates to electric vehicles and more specifically to a wireless charging system for such vehicles. This invention enables the use of wireless power transfer to charge plug-in hybrid or electric vehicles. The vehicle based electronics allow charging of the HV battery without draining down the starting battery of the vehicle and also prevents overvoltage damage to the system during charging. State of charge information, along with voltage, current, and temperature data are used to control charging of the plug in HV battery.

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