

## **Integrated Charger with Wireless Charging and Boost Function with Bidirectional Power**

### **Disclosure Number**

201503522

### **Technology Summary**

The invention relates to plug in hybrid electric vehicles and more specifically to an integrated charger with bidirectional power capability for such vehicles. The invention provides a unique way of combining functionalities and providing the best solution to electric vehicle (EV) and plug-in hybrid electric vehicle (PHEV) users. The topology proposed in this invention is a unique and a first of its kind topology that integrates a wireless charging system and the boost converter for the traction drive system.

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