Wilson Dhalwani & Benjamin Brnic

Mr. Carlos Nodarse

Mechatronics Research

4/1/2022

A Novel Idea in the Field of Magnetic Induction Sciences

EVRICS [eh-vr-icks], electric vehicle road inductor charging system, is a novel idea in the field of electric vehicle charging and environmental preservation. Through the use of above ground electric conductors, electric vehicles can be moved in transit, eliminating the need to stop and refuel. These above ground conductors will create a contained and controlled electromagnetic field, wirelessly charging the onboard lithium ion batteries of such vehicles, all the while communicating with receivers and sensors on the car, allowing smart energy transfer and control through the use of artificial intelligence. This revolutionary system will be implemented upon all the major highways in the US, creating efficient, effective, and a convenient means of transportational refueling, increasing overall productivity and energy conservation. EVRICS will not only solve issues concerning EV [electric vehicle] charging, but also promote the use of eco-friendly transportation, helping the environment and stopping climate change. Through the implementation and execution of such a novel system, the world, economy, climate, and lifestyles of many Americans will be forever changed.

The steam engine train was a monumental discovery, but useless without the train track system (railroad), a novel and revolutionary idea such as railroads took the idea to the next level, allowing for trains to reach a higher level of efficacy. The same can be said for EVRICS, a revolutionary system to enable EVs to be taken to the next level, enabling our future and that of future generations.