電動スクータ走行中ワイヤレス給電システム

Solution to problems 1~3: Multi-coil wireless power transmission during driving

Conventional issue 1 → Effective use of driving capacity

Conventional issue 2 → Power feed coil installation interval 2m→10m

Conventional issue 3 → Reduction of power supply system installation cost

【Conventional】 Wireless power supply while driving

direction of movement (motion)

Image of power transmission characteristic

Evaluation of multi-coil dynamic WPT driving experiment (20km/h, 5 power feeds)

Realizing a single power feed in a multi-coil dynamic WPT system.

【New idea】 Multi-coil wireless power supply while driving

direction of movement (motion)

Image of power transmission characteristics

半導体
磁性材料
回路技術
制御技術
次世代充電システムの構築へ

17.3m
3.5m
5.8m
3.5m
4.5m

5連給電道路 5連給電道路
10連給電スタンドで
1kJ充電（20m走行分）

5連給電道路 5連給電道路

*無断掲載・転用禁止