

WPC Using Point of Load Controlled High Frequency Power Converters

Disclosure Number

201102768

Technology Summary

This disclosure relates to electric vehicles and more specifically to charging of such vehicles. The wireless power transfer point of load concept solves existing problems facing wireless charging of multiple vehicles in a parking ramp plus sequential energizing of roadway embedded coils for dynamic charging. In-motion charging in fact can now accommodate charging multiple vehicles in a single lane having different headway and each with its unique instantaneous power demand. The feature is simply not possible with a single WPTB unit driving multiple primary coils.

Inventor

MILLER, JOHN M

Energy & Transportation Science Division

Licensing Contact

SIMS, DAVID L

UT-Battelle, LLC

Oak Ridge National Laboratory

Rm 124C, Bldg 4500N, MS: 6196

1 Bethel Valley Road

Oak Ridge, TN 37831

Office Phone: (865) 241-3808

E-mail: SIMSDL@ORNL.GOV

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