

CONTACTLESS POWER TRANSFER SYSTEM AND METHOD FOR CONTROLLING
THE SAME

ABSTRACT

A contactless power transfer system is provided. The contactless power transfer system includes a first power exchanger coil configured to exchange power. The contactless power transfer system also includes a first power converter operatively coupled to the first power exchanger coil and configured to convert a direct current power to an alternating current power at a system frequency. The contactless power transfer system further includes a controller configured to control an operating state of the first power converter to vary an alternating current power provided to the first power exchanger coil at the system frequency.

[Fig. 1]