



(54) **HIGHER POWER HIGH FREQUENCY WIRELESS POWER TRANSFER SYSTEM**

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(57) **ABSTRACT**

Wireless power transfer systems, disclosed, include one or more circuits to facilitate high power transfer at high frequencies. Such wireless power transfer systems may include a damping circuit, configured to dampen a wireless power signal such that communications fidelity is upheld at high power. Additionally or alternatively, such wireless power transfer systems may include voltage isolation circuits, to isolate components of the wireless receiver systems from high voltage signals intended for a load associated with the receiver. Utilizing such systems enables wireless power transfer at high frequency, such as 13.56 MHz, at voltages over 1 Watt, while maintaining fidelity of in-band communications associated with the higher power wireless power signal.

Related U.S. Application Data

(63) Continuation of application No. 17/966,549, filed on Oct. 14, 2022, now Pat. No. 11,848,578, which is a continuation of application No. 16/914,403, filed on Jun. 28, 2020, now Pat. No. 11,476,724.

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