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(54) **WIRELESS CHARGING SYSTEM WITH RECEIVER CONTROL**

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(57) **ABSTRACT**

An example device (**204**) includes a wireless charging receive coil (**222**) configured to transduce, into an alternating current—AC—power signal, a magnetic field generated by a wireless charging transmit coil (**218**) of an external device (**202**); an active rectifier (**224**) configured to convert the AC signal into a direct current—DC—power signal; and circuitry (**226**) configured to: obtain a target level of the DC power signal; and control the active rectifier (**224**) to output the DC power signal with the target level.