

ABSTRACT

A transmitter to generate a signal to be read by a reader is described. The transmitter includes a driver circuit; and at least two inductors connected to the driver circuit. The driver circuit controls the current flow through the inductor and the current flow results in a signal such
5 that the signal strength is above the detection limit of the reader for each of the inductors which may have at least one null region. Additionally, the inductors are positioned such that the null regions of the inductors do not overlap.