

A COUPLER

ABSTRACT

An electromagnetic coupler comprising: a transmitter configured to operate at a first central frequency, a first termination configured to connect to the transmitter and having a second resonant frequency, a receiver configured to operate at the first frequency, a second termination configured to connect to the receiver and having a third resonant frequency, wherein when the first and second terminations are brought into close proximity when engaged, the equivalent resonant frequency is substantially the first frequency, and wherein the second and/or third frequencies being substantially spectrally spaced from the first frequency.

Figure 1



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