

MATCHED INPUT ANTENNA FOR A PORTABLE RADIO

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Abstract of the Disclosure

10 Two coils (10, 20) couple energy to and from an antenna element (30). The lengths of the hot arm coil (10) and the ground arm coil (20) are different to cause a matched input for coupling to the resulting antenna structure. In a portable radio the two coils (10) and (20) efficiently couple to the antenna element (30) without inducing currents on the housing of the portable radio.

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Figure 1 accompanies this abstract.