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(54) Title: AN INDUCTIVELY COUPLED POWER AND DATA TRANSMISSION SYSTEM

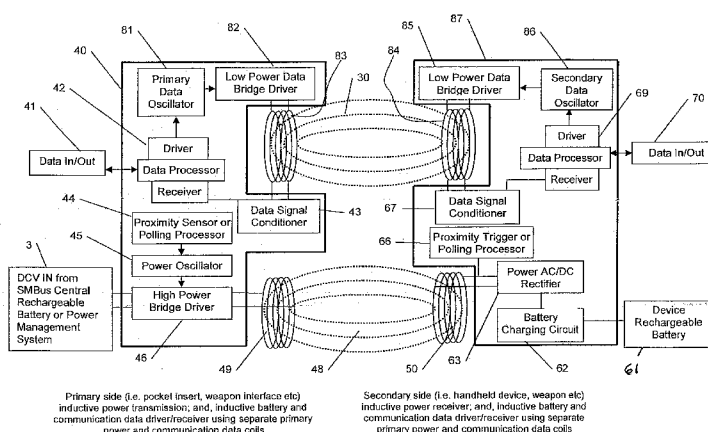


Figure 5

(57) Abstract: An inductively coupled power and data transmission system include a main power source, apparel having an electrical conductor in electrical communication with the main power source, the apparel having a first inductively couplable power and data transmission sub-system to regulate power to the primary coil or coils and transmission of power and data by the primary coil or coils and reception of data by the primary coil or coils, and an independent device having a second inductively couplable power and data transmission sub-system so as to regulate reception of power and data by the secondary coil or coils and transmission of data from a secondary processor by the secondary coil or coils. The first and second primary coils transfer said power and data during inductive coupling, at electromagnetic radiation frequencies, between the first primary coil or coils and the secondary coil or coils.



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