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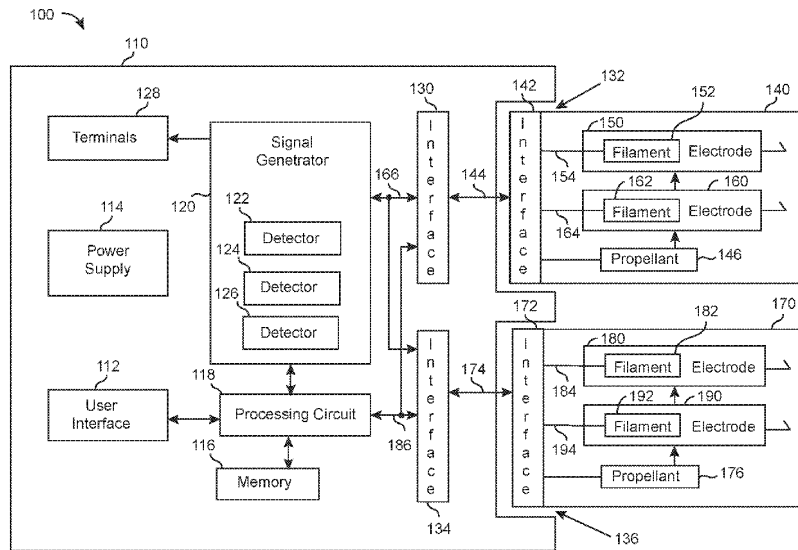


FIG. 1

(57) Abstract: A conducted electrical weapon ("CEW") launches wire-tethered electrodes from multiple cartridges to provide a stimulus signal through a human or animal target to impede locomotion of the target. The CEW may detect the quality of the electrical coupling (e.g., connection) of pairs of electrodes with the target. In accordance with the quality of the connections, the CEW may provide pulses of a stimulus signal to the various connections between electrode pairs in accordance with a sequence. The sequence may provide pulses at a first maximum pulse rate to any one connection to increase the likelihood of inducing neuromuscular incapacitation ("NMI") and to save energy. The sequence may provide pulses to all connections at a second maximum pulse rate to increase the likelihood of inducing NMI and to save energy.

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