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(54) Title: WAVEFORM FOR LOW VOLTAGE CONDUCTED ELECTRICAL WEAPON

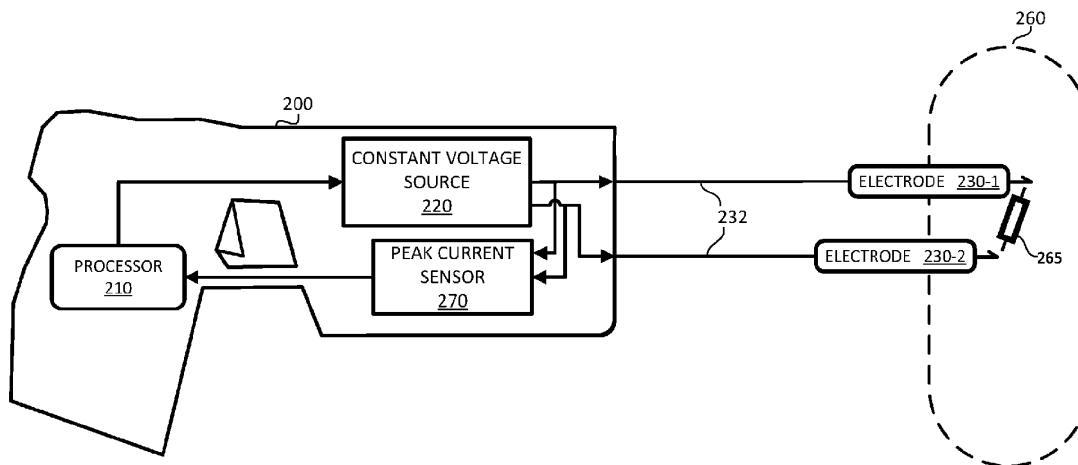


FIG. 2

(57) Abstract: A duration of a stimulus signal delivered to a target by a conducted electrical weapon may be selected in accordance with a current of the stimulus signal delivered to the target. The current may be measured by the conducted electrical weapon. The current may comprise a measured current of a pulse of the stimulus signal. The duration may be selected while the pulse is delivered to the target. The duration may be selected from a range of durations for which the stimulus signal may be applied. The range of durations may comprise a range of increasing pulse durations associated with a range of increasing charges provided by the stimulus signal in accordance with combinations of respective measured currents of a range of measured currents and respective pulse durations of the increasing pulse durations. A charge delivered by a measured current and a selected duration may increase as the measured current decreases.

[Continued on next page]

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