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- (54) **Title:** DETERMINING AN INPUT VOLTAGE TO A GALVANIC ISOLATION POINT

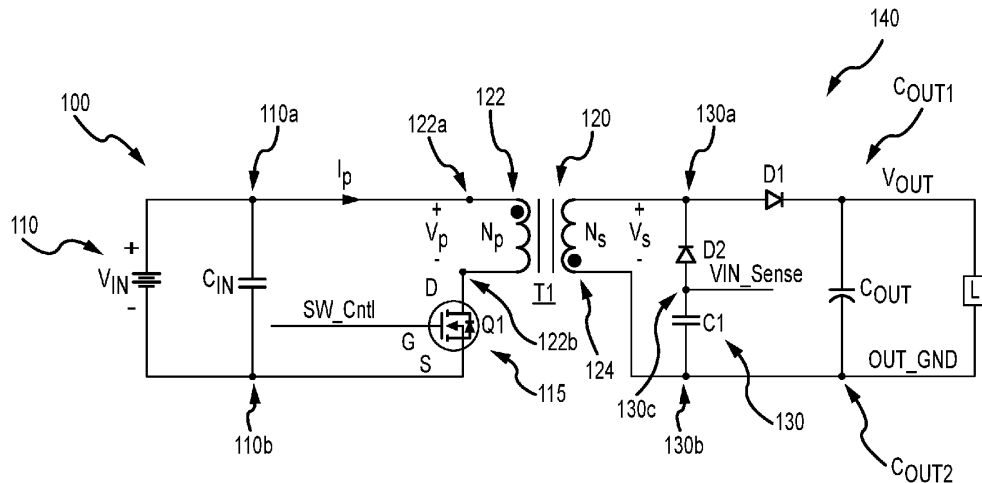


**FIG.2**

- (57) **Abstract:** An electronics (100) configured to determine an input voltage to a galvanic isolation point of the electronics (100) is provided. The electronics (100) comprises an isolation transformer (120) configured to conduct a primary current ( $I_p$ ) provided by an input voltage source (110), and provide a secondary voltage ( $V_s$ ), the secondary voltage ( $V_s$ ) being proportional to a primary voltage ( $V_p$ ) induced by the primary current ( $I_p$ ). The electronics (100) also comprises a peak detection circuit (130) coupled to the isolation transformer (120), the peak detection circuit (130) being configured to receive the secondary voltage ( $V_s$ ) and, based on the secondary voltage ( $V_s$ ), provide a signal that is proportional to the primary voltage ( $V_p$ ).

