

8-3 - Electrical Voltage-Pulse Wave-Transmission

Electrical Voltage-Pulse Wave-Transmission (583a xxx 583n), now formed, occurs along **Electrical Conductance Zone** (587) since applied **Electrical Pulse Voltage amplitude** ($V_o - 64a - 64b - 64c - V_n$) is time responsive ($T1/T2a - T3 - T1/T2n$) to incoming gated **Voltage Pulse Frequency** (49a xxx - 1'3 - xxx 49n).

Each Voltage Pulse duration **time-period** ($T1$ on time) from start to finish is directly related to applied **Voltage-Pulse Amplitude** (V_o xxx V_n) and reoccurring **Voltage Pulse Frequency** (49a xxx 49n) forming "**Unipolar Voltage Pulse-Wave**" (583) from **zero voltage ground state** (V_o) to a predetermined **Voltage Level** ($xxx 64 x - 64y - 64z - V_n$) on the leading edge of the **Voltage Pulse-Wave** (V_{pa}) and, then, reversing voltage up swing to drop on the trailing edge (V_{pb}), completing **Voltage-wave** (583).

The newly established **leading voltage edge** (V_{pa}) and **trailing voltage edge** (V_{pb}) being uniform in shape/configuration since both **Resonant Charging Chokes** ($56/Z2 - 62/Z3$) resistive values are the same (*Typically 11.6 k Ω each*) and **incoming signal** (49a xxx 49n) is electrically linked with **Water-Gap Capacitor** (C_p) of Figure (7-8) having dielectric liquid of **Water** (85) there between.

Figure (7-8)

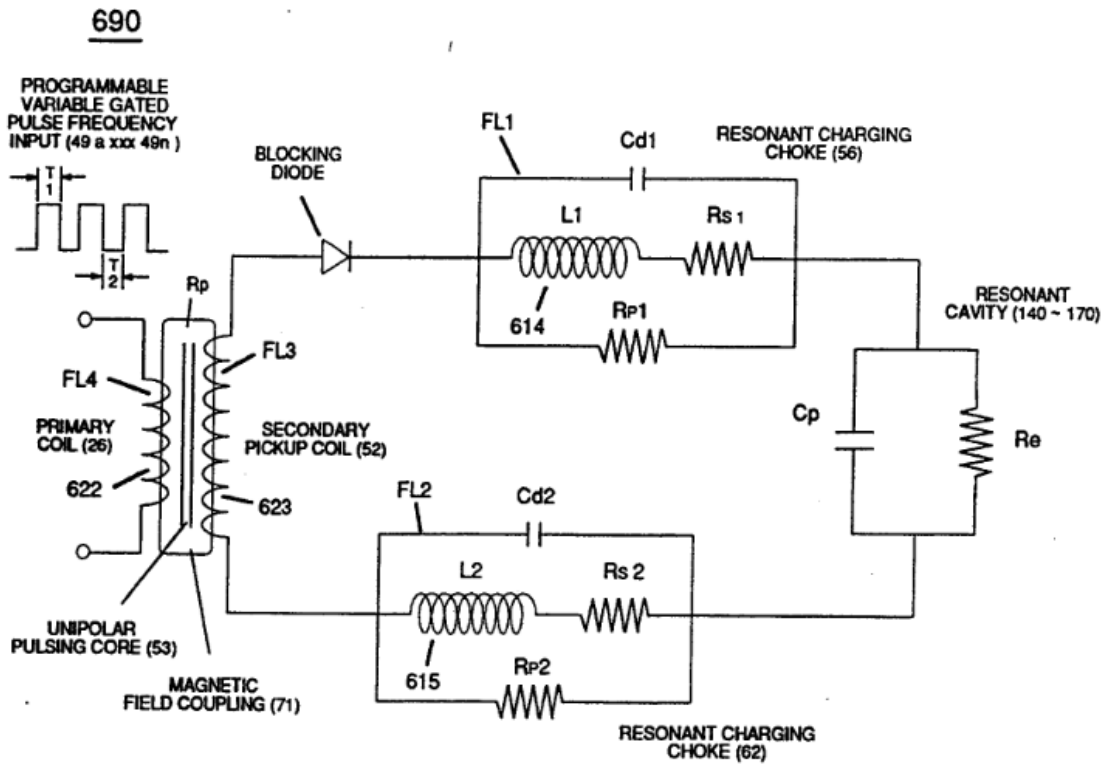
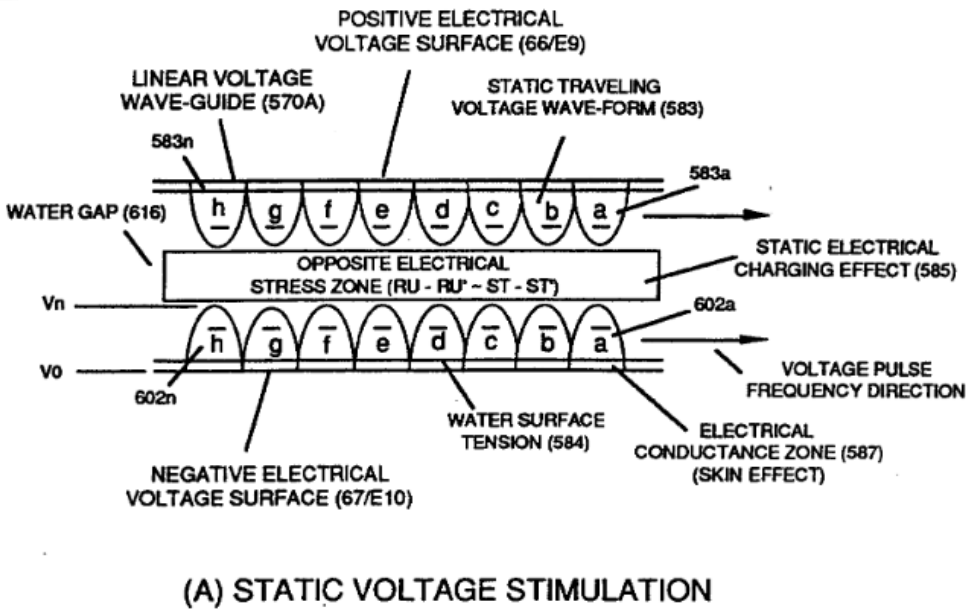


FIGURE 7-8: VIC MATRIX CIRCUIT

Thereby, preventing coil-ringing during each pulse off-time ...allowing **Electron Bounce Phenomenon (EbP)** to occur without amp influxing within **VIC Matrix Circuit (690)** of Figure (7-8) as so governed by **Circuit Resistance Equations (Eq. 9)** which, inactivated electrical-state, allows **positive Voltage Pulse-Wave (583)** to be duplicated in succession to form **Voltage Pulse Train (66 - 583a xxx 583n)**, as illustrated in (770) of Figure (8-1).

Circuit Resistance Equations (Eq. 9):

$$Z = R_I + Z_2 + Z_3 + R_E$$



Opposite **negative Voltage Pulse Train** (67 - 602a xxx 602n) is similarly formed since "Electron Clustering Effect" (631) of Figure (7-9) produces a "Negative Electrical Voltage Intensity (67) in equal magnitude to the "Positive Electrical Voltage Intensity (66) during each/repetitious magnetic pulse-cycle (Rp/71). Remember, Secondary Voltage pickup coil (52) of Figure (7-8) displaces and separates Resonant Charging Chokes (56/62) on opposite end of said Secondary Pickup Coil (52).

(631) of Figure (7-9)

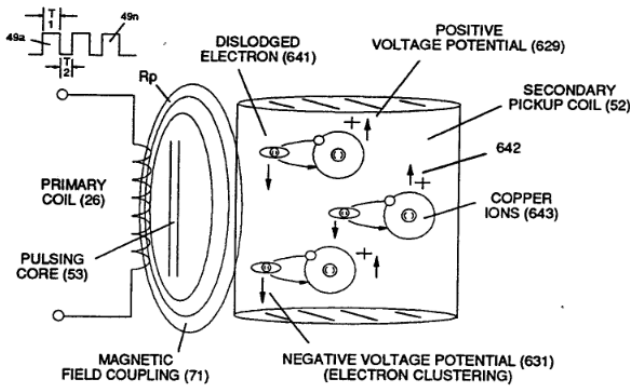


FIGURE 7-9: ELECTRON BOUNCE PHENOMENON (EbP)

(52) of Figure (7-8)

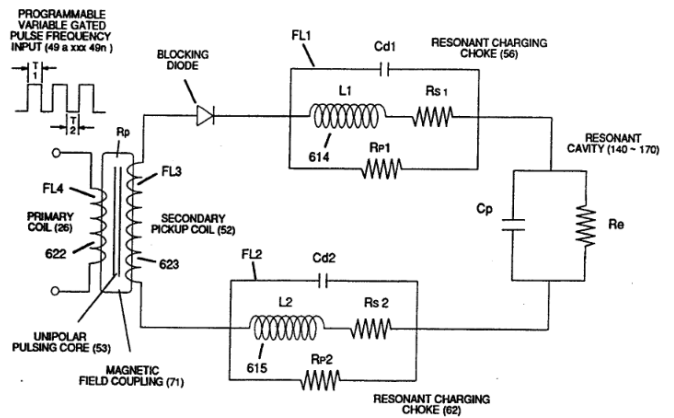


FIGURE 7-8: VIC MATRIX CIRCUIT

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