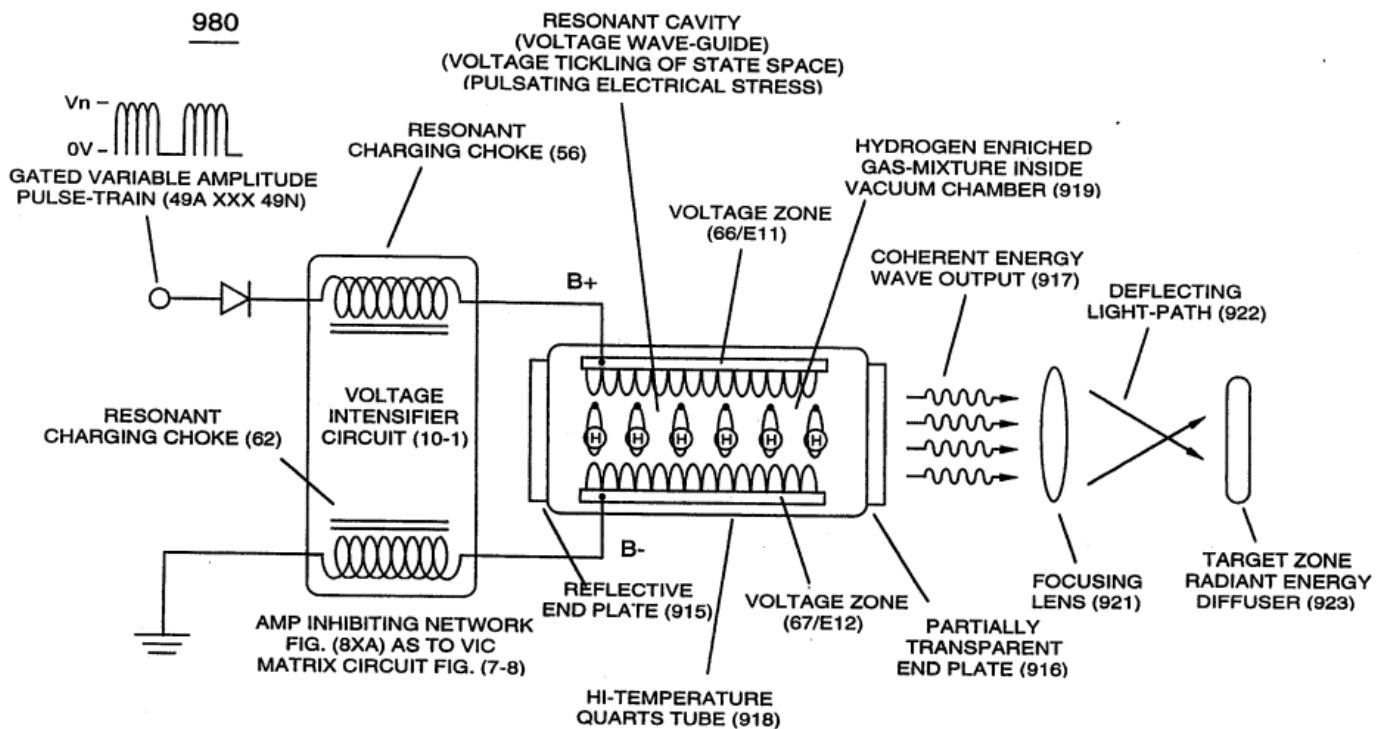


# Optical Thermal Lens

When unexcited matter (**quiescent state**) is stimulated into an excited state (**active state**) by way of "**Electrical Stress**", a new form of **thermal-energy** (Ers) release is possible beyond gas combustion stage (gtnt) by the use of **WFC Optical Thermal Lens**; as so illustrated in (980) of Figure (10-2).



**Water Cap** (Cp) is, now, transformed into **Vacuum Cavity** (Vc) where only hydrogen atoms in a fluid medium is exposed to **Voltage Zones** (ER)

... forming **Capacitor Gap** (Cv) since the gas medium, so exhibits a dielectric value and amp in-fluxing (prohibiting amp leakage into and away from **Capacitor Vacuum-Gap** (Cv)) is held to a minimum due to the bifilar wrapped resonant-coils (56/62).

**The Energy Pumping Stage** (520) of Figure (5-3) as to (500) of Figure (5-1) attenuates the hydrogen energy aperture (7) of (550) of Figure (5-8) when applied **Opposite Voltage Potential** ( $V_a \times V_n$ ) (49a xxx 49n) (B+/B-) produces pulsating **Electrical Stress Wave-form** (opposite electrical attraction force) ( $R_U/R_U' - ST/ST'a \times R_U/R_U' ST/ST'n$ ) during **Pulsing Operations**.

## The Energy Pumping Stage (520) of Figure (5-3)

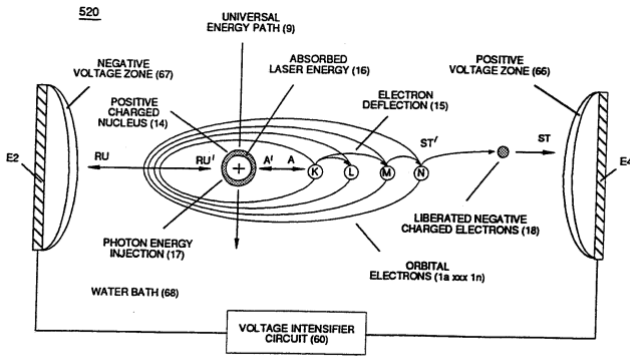


FIGURE 5-3: ENERGY PUMPING ACTION

## (500) of Figure (5-1)

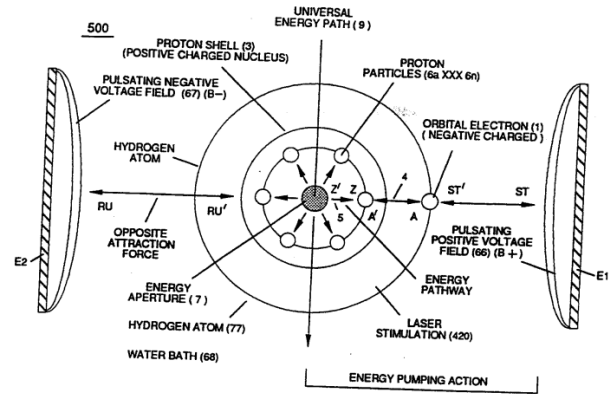


FIGURE 5-1: HYDROGEN ENERGY BALANCE

## hydrogen energy aperture (7) of (550) of Figure (5-8)

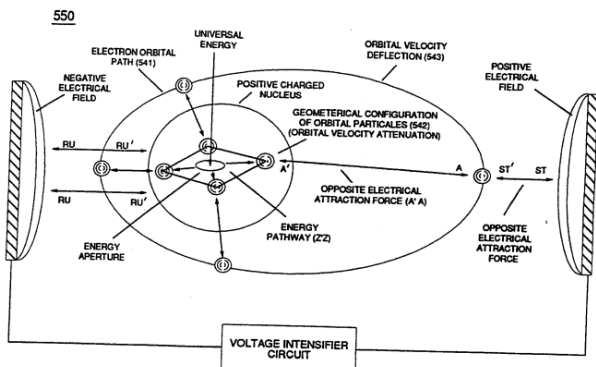
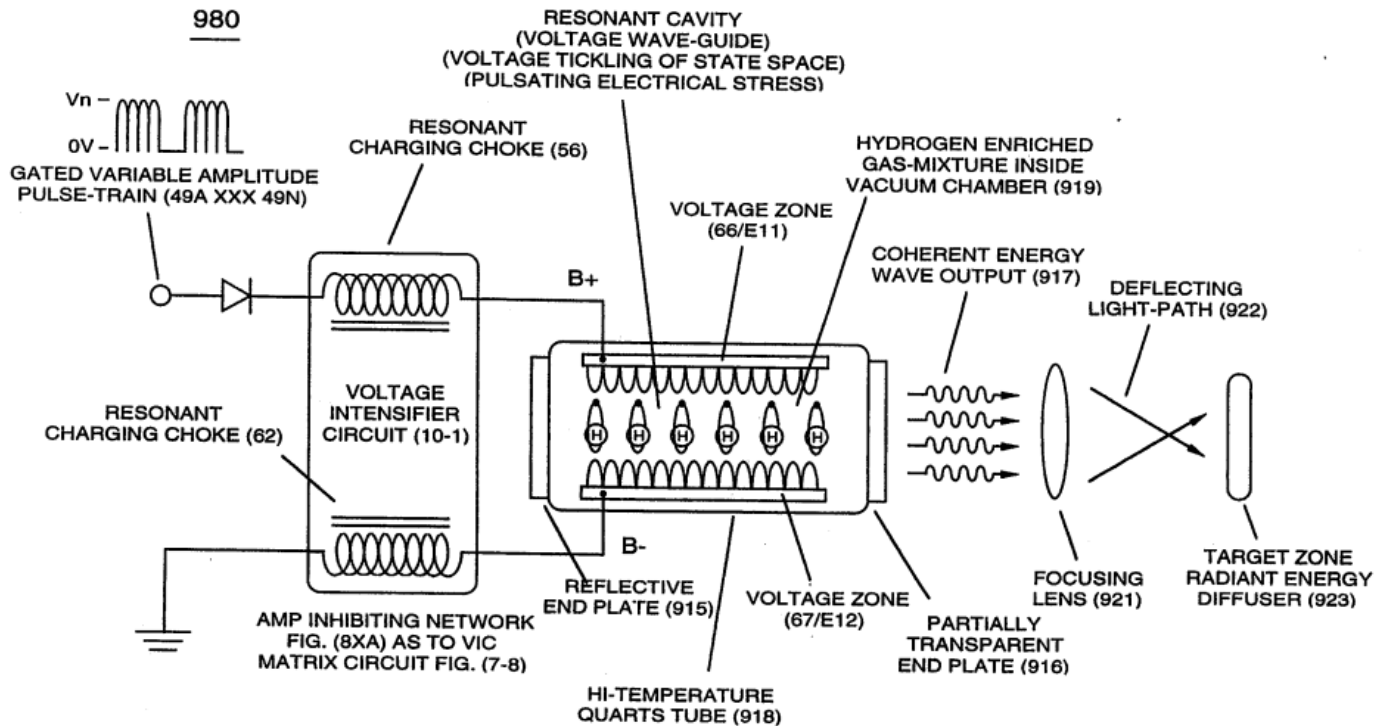


FIGURE 5-8: COVALENT SWITCH-OFF

The stimulated **Emitted Energy Radiation** (Ers) from the hydrogen atoms are, now, amplified (compressed together) when discrete **Emitted Energy Radiation Wavelets** (Ersa xxx Ersn) from each hydrogen atom is/are reflected back and forth between **Reflective End Plates** (915/916) before exiting through **Partially Transparent End Plate** (916)

... emitting **Coherent Energy Wave-Form** (917), as so illustrated in (980) of Figure (10-2).



**The Vacuum Chamber (Cv)** containing the hydrogen gas atoms is composed of a high temperature **quartz material** (918) while **Voltage Zones** (ER) becomes **Voltage Wave-Guides** (770) of Figure (8-1) by the use of chemically inert T304 stainless steel material

... forming **Electrical Conductance Zones** (Skin Effect) (587)

... allowing unipolar **Voltage Pulse-waves** (583/602axxx 583/602n) of Figure (8-1A) to travel the linear length of the **Voltage Wave-Guide**.

The **Static Electrical Charging Effect** (-) (585) is set up when applied **Electrical Stress Wave-form** (RD / RD' - ST / ST') is simultaneously applied on opposite sides of the hydrogen atoms

... propagating "**Particle Oscillation**" as a "**Energy Generator**" in a vacuum rather than by chemical interaction (chemical stress) of gas combustion (gtnt).