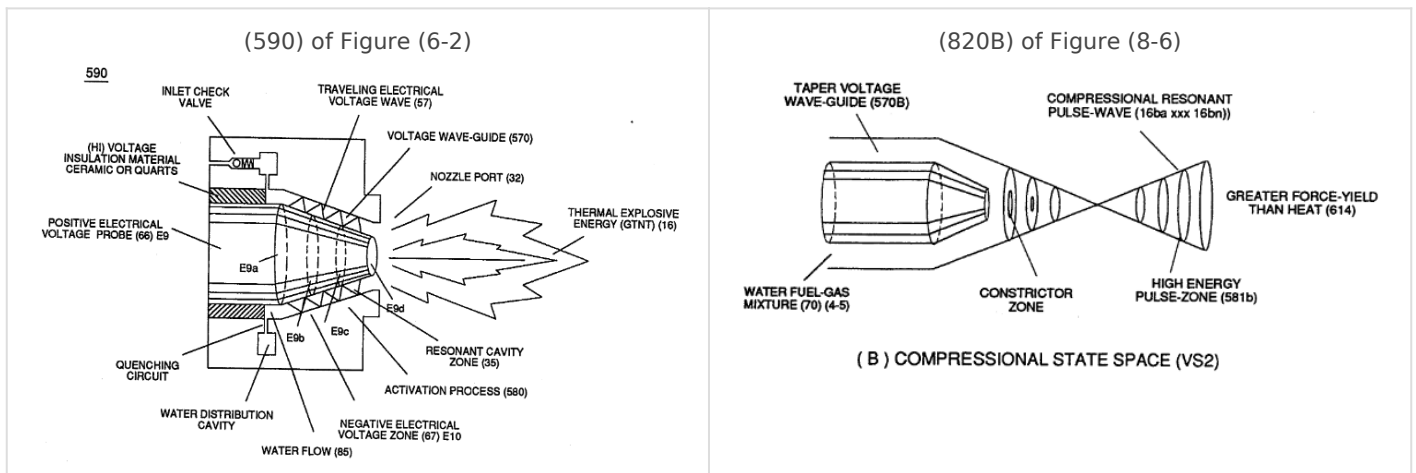


# 8-7 - Application of Usage

By simply intermixing/interchanging any applied **Electrical Voltage Pulse-State** with any **Gas Pressure State** as herein described above can result in a predetermined hydrogen Gas Flame-Front that can be utilized for a particular application of usage.

For example, **Taper Resonant Cavity** (590) of Figure (6-2) as to (820B) of Figure (8-6) is ideally suited for internal combustion I. C. engines as well as Rocket Engines where high thrust-yield of explosive power (gtnt) (582B) is required;



whereas, **Expanding Resonant Cavity** (730C) of Figure (7-12) as to (820C) of Figure (8-6) is best suited for Furnace Applications. **Linear Resonant Cavity** (730A) of Figure (7-12) as to Figure (820A) is for Cutting-Torch applications (582) ... to mention a few.

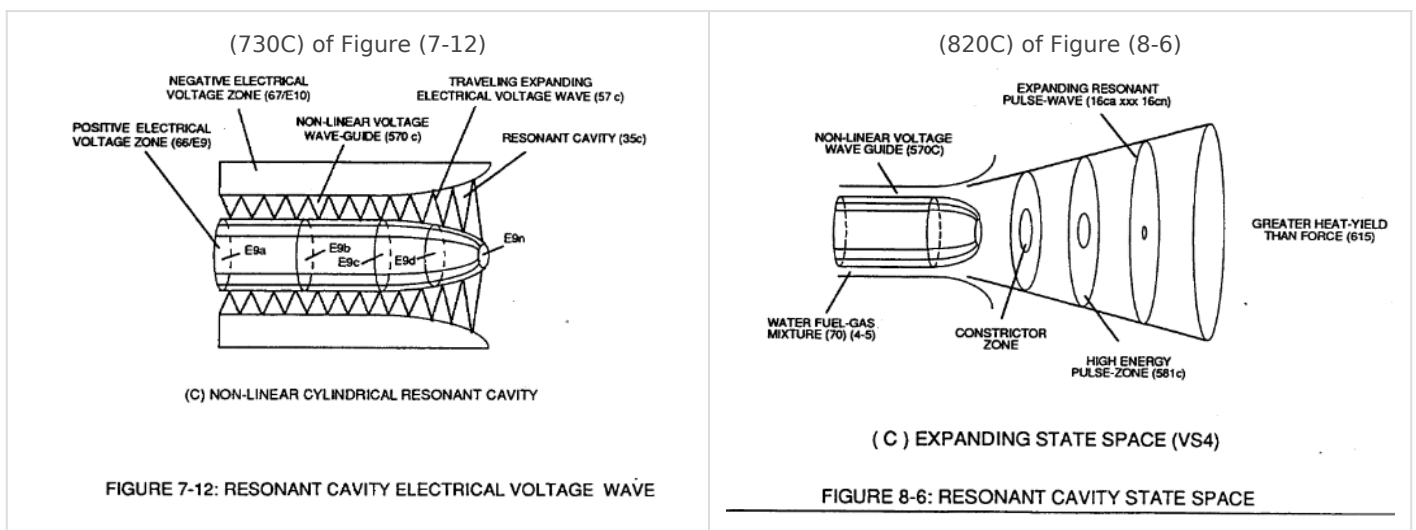


FIGURE 7-12: RESONANT CAVITY ELECTRICAL VOLTAGE WAVE

FIGURE 8-6: RESONANT CAVITY STATE SPACE

(730A) of Figure (7-12)

730

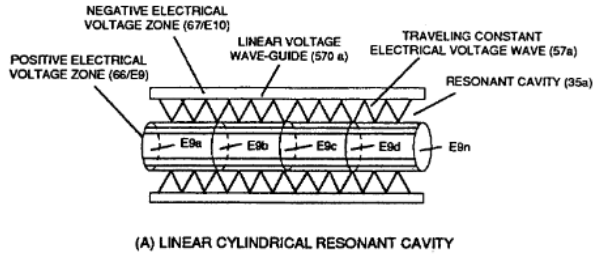
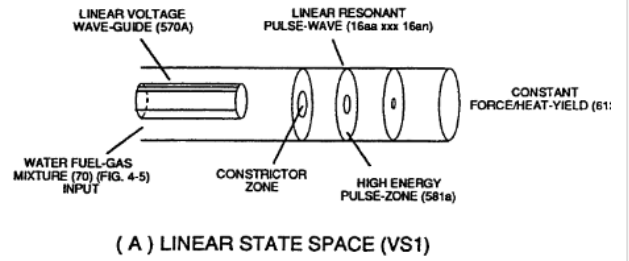


Figure (820A) of Figure (8-6)

820



In each and all Flame-Front (582 A,B,C) **Resonant Pulse Waves** are produced to net higher energy-yield beyond normal gas burning levels. **Laser Energy** (588) being injected into **Resonant Pulse Waves** (16) by way of **Laser Inject Tube-Port** (589) helps maintain **Plasma-temperatures** at extremely elevated temperatures over the prior art.

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