Quenching Nozzle

> Additional Quenching Circuits arranged in a Disc-shape configuration forms a "Quenching Nozzle" when attached to an "Quenching Tube", as illustrated in Figure (2-4) as to Figure (2-6).

Figure (2-3)

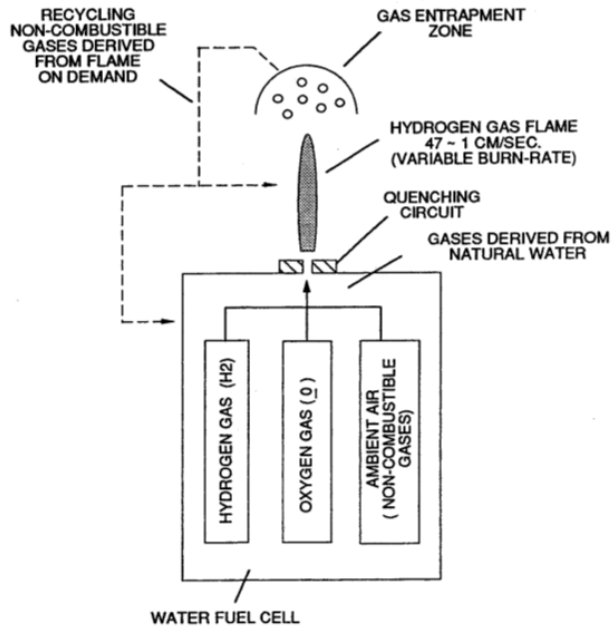

FIGURE 2-3: GAS MIXING REGULATOR

Figure (2-6)

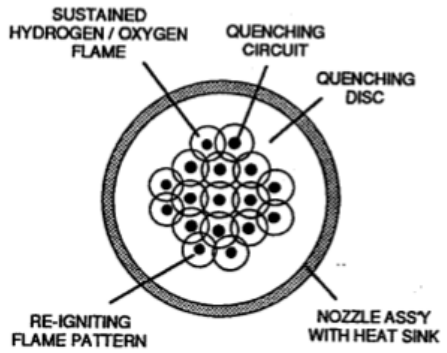

FIGURE 2-6: QUENCHING NOZZLE

The **Multi Gas-Port Disc** compensates for increased **Gas-Velocity** while "preventing" spark-ignition of the **Fuel-Cell** gases.

The overlapping **Flame-Pattern** re-ignites the expelling hydrogen gas-mixture (B/D) should **Flame-Out** occur.

Ceramic material is used to form the "**Quenching Disc**" to "prevent" hole-size enlargement due to gas-oxidation.

The non-combustible gases (D) keeps the **Ceramic Material** "cool-to-the-touch" by projecting the **Gas-Flame** beyond and away from the disc-surface ... the **Quenching Disc** remains "cool" even if the Gas-Flame Temperature exceeds the melting-point of the disc-material.

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