

HAMMERHEAD TCP COIL SUPPORT FOR HIGH RF POWER CONDUCTOR ETCH SYSTEMS

ABSTRACT

5 The chamber, having a ceramic window disposed in a ceiling of the chamber
is provided. Included is a ceramic support having a plurality of spokes that extend
from a center region to an outer periphery, and each of the spokes include a
hammerhead shape that radially expands the ceramic support in a direction that is
away from an axis of a spoke. Also included is a plurality of screw holes disposed
10 through the ceramic support. The plurality of screw holes defined to enable screws to
connect to a TCP coil having an inner and outer coil. The outer coil is to be disposed
under the hammerhead shape of each of the spokes, and a radial gap is defined
between each of the hammerhead shapes. The radial gap defines a non-continuous
ring around the outer coil. A plurality of screws are disposed through the screw holes
15 for attaching the TCP coil.

FIG. 1