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(54) Title: INTERNAL FARADAY SHIELD HAVING DISTRIBUTED CHEVRON PATTERNS AND CORRELATED POSITIONING RELATIVE TO EXTERNAL INNER AND OUTER TCP COIL

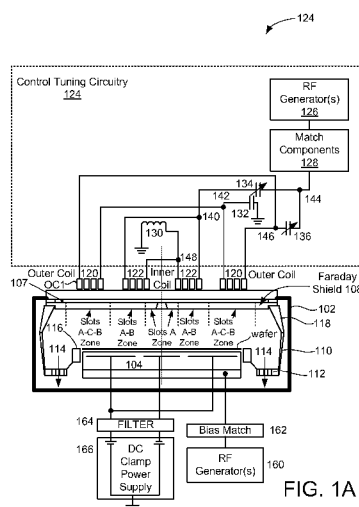


FIG. 1A

(57) Abstract: Plasma processing chambers having internal Faraday shields with defined groove configurations, are defined. In one example, the chamber includes an electrostatic chuck for receiving a substrate and a dielectric window disposed over the electrostatic chuck. Also included is a Faraday shield inside of the chamber and between the electrostatic chuck and the dielectric window. The Faraday shield includes an inner zone, a middle zone adjacent to the inner zone, and an outer zone adjacent to the middle zone. Further defining the Faraday shield is a first set of radial slots (A) extending through all three zones, a second set of radial slots (C) extending through only the outer zone; and a third set of radial slots (B) extending through the middle and outer zones. The first, second and third radial slots are arranged radially around the Faraday shield in a pattern of slots A, C, B, and C.