

Abstract

EDGE-CLAMPED AND MECHANICALLY FASTENED INNER ELECTRODE OF SHOWERHEAD ELECTRODE ASSEMBLY

An inner electrode of a showerhead electrode assembly useful for plasma etching includes features providing improved positioning accuracy and reduced warping, which leads to enhanced uniformity of plasma processing rate. The assembly can include a thermal gasket set and fasteners such as bolts or cam locks located on a radius of $1/4$ to $1/2$ the radius of the inner electrode. A method of assembling the inner electrode and gasket set to a supporting member is also provided.

FIG. 1A

