

ABSTRACT

WIDE LIPSEAL FOR ELECTROPLATING

A lipseal is designed for use in a lipseal assembly of an electroplating apparatus wherein a clamshell engages and supplies electrical current to a semiconductor substrate during electroplating. The lipseal includes an elastomeric body having an outer portion configured to engage a cup of the lipseal assembly and an inner portion configured to engage a peripheral region of the semiconductor substrate. The inner portion includes a protrusion having a width in a radial direction sufficient to provide a contact area with the semiconductor substrate which inhibits diffusion of acid in an electroplating solution used during the electroplating. The protrusion is located at an inner periphery of the lipseal.

Fig. 2