ROTATING CYLINDER THROWING POWER ELECTRODE

Abstract

This invention pertains to an apparatus and method for measuring throwing power of electroplating solutions. The instrument is in a form of an elongated cylindrical body rotatable about its longitudinal axis and includes a fixed conductive anode element and at least two cathode elements. Preferably, one cathode is fixed relative to the anode and another cathode is spaced from the anode a variable distance which is a multiple of the other distance. The instrument provides current to the anode and equi-potentials to the cathodes. Each cathode has a pre-weighed removable metal foil, and the instrument is rotated with the anode and cathode submerged in an electrolyte. The metal foils are removed and weighed to compare the weight of deposited metal at different cathode element positions.

FIGURE 1.

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ACTION