

ABSTRACT

TITLE OF INVENTION:- APPARATUS TO CLEAN SOLID SURFACES USING A
CRYOGENIC AEROSOL

The present invention is an apparatus for cleaning semi-conductor solid surfaces using a spray of frozen cryogen, such as argon, to impinge on the solid surface to remove contaminant particles. The apparatus includes an appropriate nozzle positioned in a housing designed for ultra clean conditions including sweep gas supply and evacuation conduits and a support table movably positioned within the housing to controllably convey the semi-conductor solid surface on a track under the spray of frozen cryogen emanating from the nozzle.

Figure 2 of the drawings should accompany the abstract when published.