

A METHOD AND APPARATUS FOR CLEANING SURFACES

ABSTRACT

5 This invention relates to a method and apparatus for cleaning solid surfaces like Si
substrate, disk or magnetic head slider where contaminants, including organic contaminants,
especially particles in the micron or sub-micron scale are effectively remove from the solid
surfaces. The invention achieves this by generating a strong laser-induced liquid jet and shock
wave near the solid surfaces immersed in liquid. The liquid is a solution of water and other
10 solvents to help reduce adhesion force and enhance cleaning efficiency.

Fig. 1



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