

ABSTRACT

A PIEZOELECTRIC DEVICE AND SERVO SYSTEM

This invention relates to a servo system and a piezoelectric device which can be, but is not exclusively for use in a servo system. In particular, the piezoelectric device includes a piezoelectric plate with a reinforcing element provided on one side with discontinuities intermediate ends so as to provide the element with a predetermined compliance to allow for movement of the element with associated displacement of the plate. The servo system positions a read/write device and includes an arm for positioning the read/write device, an actuator and a suspension assembly at a free end of the arm, wherein the suspension assembly includes a base plate and a beam supporting the read/write device which are connected via a pivot coupling and the actuator includes a piezoelectric device which is arranged to bridge between the base plate and the beam.

(figure 4)