INTEGRATED SUSPENSION FLEXURE HAVING A COMPLIANT TIP TERMINATION PLATFORM

ABSTRACT

An integrated suspension system for supporting a magnetic read/write slider comprising a load beam for supporting a slider (152), a flexure (250) for connecting the load beam to a slider (152), the flexure (250) including a bonding area upon which the slider (152) is attached, a tip platform (208) supporting the slider read/write element terminations, and a hinge-like compliance member (264) for flexibly connecting the tip platform (208) and the bonding area. The flexure (250) further includes a pair of flexure legs which substantially enclose the slider bonding area, and a pair of tabs extend perpendicular from the flexure legs to support conductive elements electrically connecting the magnetic read/write slider to the disk drive controlling electronics.

Fig. 3