TERMINATION PAD MANIPULATOR FOR A LAMINATED SUSPENSION IN A DATA STORAGE SYSTEM

Abstract

A multilayered suspension(16) having a slider end(17) and a termination end(18), the suspension being suitable for use in an information storage system slider-suspension assembly is provided. The suspension comprising a conductive lead structure(13) having at least one conductor line(7) contained in a patterned conductive layer formed over one or more layers. The conductive lead structure being suitable on the slider end for connection to transducer leads of a slider(27), and on the termination end for connection to arm-electronics termination pads(6). The suspension further comprises a fixture(2, 23, 4), formed from one or more layers, being substantially in the same plane as the termination end of the conductive lead structure and having one or more anchor tabs laminated to a layer of the conductive lead structure. The fixture being suitable for aligning the conductor lines to the termination pads by rotating the termination end of the conductive lead structure in the plane of the termination end.

Figure 4