

AbstractGimbal Suspension for the Slider of a Magnetic Disk Drive

- 5 A head suspension assembly for a magnetic disk drive includes a slider, a loadbeam and a gimbal. The gimbal has a support portion connected to the loadbeam, and a flexure connected at one end to the support portion and to the slider. A dimple is formed between the flexure and the loadbeam. One or more tabs extend from the flexure and contact the loadbeam on the side of
- 10 the loadbeam facing away from the gimbal, to limit the extent of motion of the flexure from the loadbeam. At least one tab may be provided between the dimple and the connection of the flexure to the support portion of the gimbal. Two tabs may be provided to either side of the dimple. One of the tabs may contact the loadbeam at the location directly opposite the dimple.

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[Fig. 4]