



US005771139A

United States Patent [19]

[11] Patent Number: **5,771,139**

Lee et al.

[45] Date of Patent: **Jun. 23, 1998**

[54] INTEGRATED SPRING HEAD/GIMBAL ASSEMBLY HOLDER

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[21] Appl. No.: **511,075**

[22] Filed: **Aug. 3, 1995**

[51] Int. Cl.⁶ **G11B 5/48**

[52] U.S. Cl. **360/109**; 360/103; 360/106

[58] Field of Search 73/866.5, 865.9, 73/865.8; 360/109, 104, 105, 107, 106, 103, 31, 137; 324/210, 212

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[57]

ABSTRACT

An integrated spring head/gimbal assembly holder is used to precisely load and unload a head/gimbal assembly (HGA) of the type used in magnetic disk drives. The holder includes a fixture base by which the holder is mounted. A first boss extending from the fixture base has a surface in which a recess is formed. The recess receives a second boss on the end of the HGA so that HGA rests on the surface of the first boss. A cantilevered beam extends from the fixture base and serves as a spring which includes a clamping head. Flexure of the cantilevered beam forces the clamping head to drive the second boss firmly against the sidewalls at the edge of the recess and to force the HGA against the surface of the boss. Thus, the HGA is precisely positioned and secured to the holder.

23 Claims, 7 Drawing Sheets

