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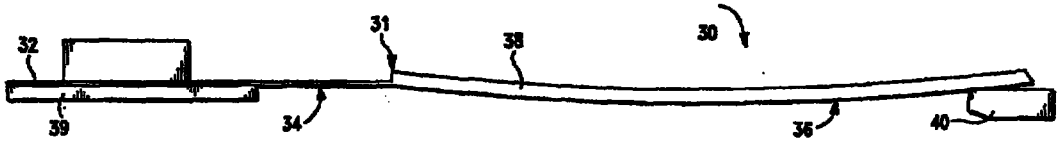
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(54) Title: SUSPENSION HAVING REDUCED TORSIONAL MODE GAIN AND SENSITIVITY




(57) Abstract

An improved suspension for supporting a read/write head adjacent to a relatively moving storage medium in a disk drive is disclosed. The suspension includes a curved loadbeam (36) or a curved flexure (45) that reduces the magnitude of the gain in the first torsion resonant mode of oscillation when the Z-height of the loadbeam is configured for minimum sensitivity of the first torsion gain as a function of the loadbeam Z-height, thereby providing a suspension capable of improved head position servo performance and improved manufacturing and assembly yields.