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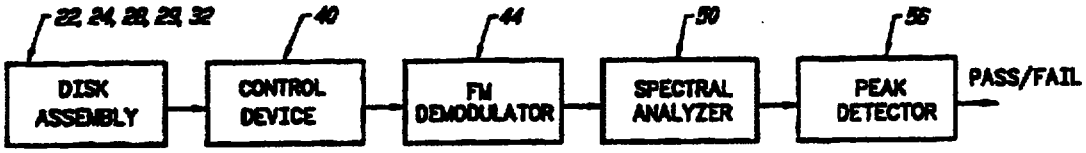
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(54) Title: FM DETECTION OF SLIDER-DISK INTERFACE



(57) Abstract

A method for testing slider/disk contact in a disk drive is described. The disk drive comprises a rotating disk and a head mounted by an actuator for selective positioning of the head over the disk, the head having a slider, and a flexure for attaching the head to the actuator. The method includes the steps of rotating the disk of the disk drive at a first preselected rotational velocity, using the head of the disk drive to write a signal having a substantially uniform pattern on the disk as it rotates, thereafter rotating the disk at a second preselected rotational velocity, while rotating the disk at the second preselected rotational velocity, using the head to read back the signal written at the first preselected rotational velocity, and performing an FM demodulation of the read back signal through a frequency range corresponding to a range of natural frequencies of vibration of the flexure caused by slider/disk contact.