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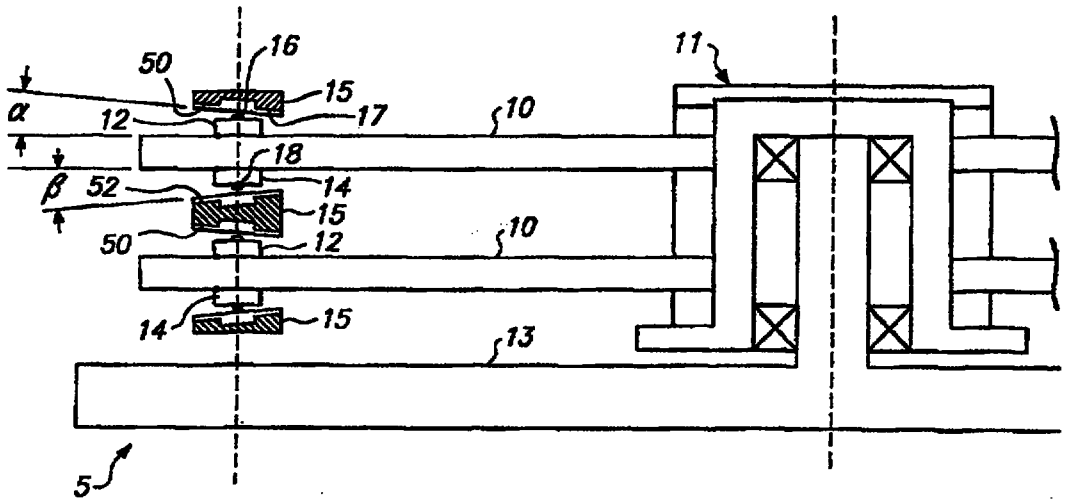
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(54) Title: ROLL-BIASED HEAD SUSPENSION FOR REDUCED TRACK MISREGISTRATION




(57) Abstract

A method corrects track misregistraton attributable to out of plane motions of a rotating disk (10) in a hard disk drive (13), and includes the steps of measuring a base plate roll-bias angle between the rotating data storage disk and the head arm (15) with a precision measuring device, and connecting the head arm and load beam (17) at a roll-bias angle selected to minimize track misregistration attributable to the roll-bias. A number of connection arrangements and structures are presented in order to achieve the desired reduction in track misregistration.