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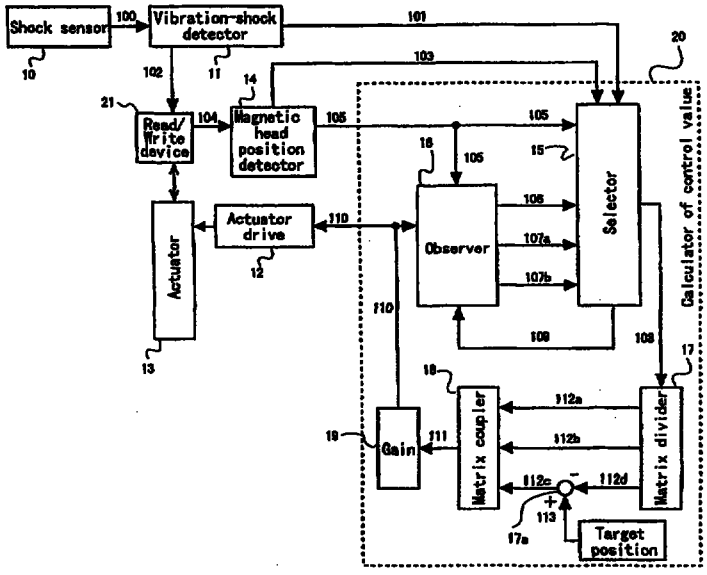
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(54) Title: MAGNETIC DISK DRIVE, POSITION CONTROLLING METHOD OF MAGNETIC HEADS AND RECORDED MEDIUM STORING PROGRAM OF THE METHOD



(57) Abstract

In a magnetic disk drive, the time required for that the magnetic head brought into the off-track state due to vibration or shock restores into the on-track state, is shortened. A selector (15) selects, as the magnetic head position information, either the position information estimated by an observer (16) or the position information detected from a magnetic disk (22), depending on the degree of vibration or shock, the presence of a detection error of servo information and the degree of an estimating error. The position information selected is used in the calculation of a control value of the actuator. Accordingly, the estimated position information is used if there is a fault in the detection of servo information or detected servo information is probably inaccurate. Therefore, the magnetic head can restore rapidly from the off-track state to the on-track state.