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(54) Title: END POSITION DETECTING APPARATUS OF A MOBILE ELEMENT, AND A DISK APPARATUS USING THE SAME

(57) Abstract

In a moving position detecting apparatus of mobile element for detecting when the mobile element moving along a specified running path has reached a specified position, such as a pickup device of a disk apparatus, without applying reaction to the mobile element, move of the mobile element from the specified position is lessened and eliminated. The position detecting apparatus for detecting the moving position of a mobile element includes the mobile element moving reversibly along a specified running path, conductive electrode disposed along said running path, detecting electrode disposed on the mobile element, and detecting means for detecting contact or non-contact between the conductive electrode and detecting electrode. The detecting electrode is disposed

so as to contact or not to contact with the conductive electrode by the move of the mobile element. The position of the mobile element is detected by the detecting means. This position detecting means further includes a guide shaft for guiding the move of the mobile element, and a drive shaft for driving the mobile element. The conductive electrode is disposed on the surface of the guide shaft or the surface of the drive shaft. The detecting electrode is disposed so as to contact electrically with the conductive electrode from the direction crossing with the moving direction of the detecting electrode.

