

ABSTRACT

In order to correctly monitor a difference of position difference change and a load during operation and to appropriately control a training apparatus, the training apparatus (100) includes a fixed frame (1), an training rod (3), a motor, a rotation information detection sensor, a tilt angle calculation unit (1131), a feedback current detection unit (1133), a position difference calculation unit (1132), and a determination unit (1134). The training rod (3) tilts with at least one degree of freedom. The motor tilts the training rod. The rotation information detection sensor outputs an amount of rotation of the motor. The tilt angle calculation unit (1131) calculates a tilt angle. The feedback current detection unit (1133) detects a feedback current value (I). The position difference calculation unit (1132) calculates a position difference every time when a first time period (T_1) elapses. The determination unit (1134) determines an error when the position difference generated during the first time period (T_1) is a first threshold (ϕ_1) or higher, or when the feedback current value (I) keeps a first current value (I_1) or higher for a second time period (T_2) or longer.

[FIG. 9]