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(54) **LEVER HANDLE TYPE HAPTIC INPUT APPARATUS EQUIPPED WITH ELECTROMAGNETIC BRAKE**

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(57) **ABSTRACT**

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A haptic input apparatus includes: a supporting member having a spherical bearing; a lever handle having a spherical portion to be supported by the spherical bearing; an electromagnetic coil arranged opposite to a lower end surface of the lever handle; detection means for detecting an operating state of the lever handle; and control means for taking in an output signal a from the detection means to output a driving signal b of the electromagnetic coil based on the output signal a. The control means reads out a control signal c from the electromagnetic coil corresponding to an output signal a to be inputted from the detection means from a first storage to output to a first driver circuit. The first driver circuit converts the control signal c outputted from the CPU for amplifying, and outputs a driving signal b from the electromagnetic coil.

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