INDUCTIVE JOYSTICK

Abstract

An inductive joystick may include a control structure including an elongate member movable along at least one direction substantially perpendicular to its length; and a position sensing assembly including a printed circuit board having at least one surface arranged adjacent to the control structure and at least one metal dial arranged over the at least one surface. The at least one surface may be substantially parallel with the elongate member's length and with the at least one direction, and may be provided with at least one transmitter coil and at least one receiver coil. In use, the transmitter coil(s) may induce signal(s) in the receiver coil(s) and the metal dial(s) may interfere with the induction. Moving the elongate member may cause relative movement between the surface(s) and the metal dial(s) which may vary the induced signal(s) based on a position of the metal dial(s).

FIG. 1A