

ABSTRACT

A moving body includes: a plurality of linear motors including a first linear motor driven by magnetic interaction with magnetic flux of a magnetic pole path; a position detection sensor configured to detect a position of the moving body; a first electrical angle detection sensor disposed at a position different from the position detection sensor in a path direction of the magnetic pole path and configured to detect an electrical angle of the first linear motor; and a control unit configured to, when one of the position detection sensor and the first electrical angle detection sensor is positioned at a magnetic pole absent section, use the other of the position detection sensor and the first electrical angle detection sensor both to detect a position of the moving body and to detect an electrical angle of the first linear motor.