ABSTRACT OF THE DISCLOSURE

ELECTROMAGNETIC DEVICE

An attraction coil, a repulsion coil and a plunger are disposed in a magnetic path of an electromagnetic device. An starting flux generating section is disposed between the attraction coil and the repulsion coil in the magnetic path. A magnetic flux of the starting flux generating section is repulsed magnetically by a magnetic flux of the repulsion coil at a part of the magnetic path to start the plunger. The plunger is attracted to one of first and second magnetic path parts by electromagnetic forces generated from magnetic fluxes of the attraction coil and the repulsion coil.

FIGURE 5