

ELECTROMAGNETIC DEVICE

ABSTRACT OF THE DISCLOSURE

An electromagnetic device is provided to overcome loss of kinetic energy caused by amplification of magnetic attraction under loading.

5 The electromagnetic device includes a stator and a rotor that are movable relative to each other. A movement direction of the rotor is in parallel with magnetic field lines to generate dual magnetic attraction points. A magnetic conductance body of a conductive coil assembly that serves as a stator or a rotor has two ends of which one that is
10 favorable to a forward direction of movement is provided with a diameter-enlarged magnetic yoke, so that the single-side-arranged magnetic yoke can break the balance of amplified magnetic attraction to thereby making amplification of a horizontal component of force, reducing kinetic losses, and thus improving energy conversion rate.

15 FIG. 1