

The invention relates to electrical engineering, in particular to electro-dynamical drives. An electro-dynamical drive in which electric energy is converted to linear displacement of pusher of drive includes electric coil and electro-conductive armature made on non-ferromagnetic material at least in the part of armature to which magnetic field of coil penetrates, it interacts with coil at coil switching to pulse source of electric energy that includes capacitor with switch device with control block connected to it, besides that drive includes N electric coils, at that $N \geq 1$, and K electro-conductive armatures, at that $K \geq 1$, and switch device is arranged with possibility of provision of partial discharge of capacitor in aperiodic mode of discharge.