

An unipolar electrical machine with multiturn armature winding consists of a stator, a rotor being coaxial to the stator, an inductor being coaxial to the stator, an armature, which is a magnetic-conducting core being coaxial to stator, on which is toroidally applied a multiturn screw winding. The electrical machine contains coaxial to stator external magnetic circuit in the form of container with hollow wall.