

The invention concerns transportation vehicles, which use electric traction, in particular, cars. An electric drive contains a power source and an excitation winding connected to the power source. There are additionally three excitation windings in one block with first excitation winding, inside windings stocks are installed, which through connecting rods are connected to a crankshaft. Each excitation winding is connected to a circuit, which contains a power capacitor, a power thyristor and a power diode, and their commutation is made by means of a distribution coil, motion of which is coordinated with the rotation of crankshaft. The invention provides for extension of functional capabilities of drive.