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DIRECT CURRENT MOTOR WITH ELECTRONIC DRIVE OF STATOR PHASES

BY

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Abstract. A direct current motor without commutator and brushes is presented. The motor has a stator with three concentrated windings, and a rotor with a pair of permanent magnets. Between the beginnings of the stator phases, there is one angle of 120° . Every phase of the stator is feeded successively in time with a positive voltage. By interaction of positive stator currents with rotor induction appear electromagnetic torques.

Keywords: brushless d. c. motor, maximal voltage relay, three-phase stator winding, rotor with permanent magnets.