

STATOR CORE, STATOR AND MOTOR

ABSTRACT

The present application is applicable to the technical field of motor and provides a stator core, a stator and a motor, a wire settling slot is formed between any adjacent two stator teeth, the stator yoke has two oppositely provided axial ends, wherein a wire passing slot numerically equal to the wire settling slot is concavely provided at at least one axial end, and the wire passing slots is disposed oppositely to the wire settling slot from each other, the stator yoke has a radical divider provided between the wire passing slot and the opposite-disposed wire settling slot and a circumferential divider provided between two adjacent wire passing slot. In the present application, the wire passing slot opposite to the wire settling slot is concavely provided at at least one axial end of the stator yoke, such that the winding path of the stator wind around the stator yoke can be effectively shortened, the amount of enameled wire used and the loss of the stator winding can be therefore lowered, thus providing a new solution to improve the efficiency of the motor.

FIG. 2