

ABSTRACT

Provided is a stator assembly, comprising: a stator core (1); a plurality of tooth parts (2), arranged on an inside wall of the stator core (1) and distributed in a circumferential direction of the stator core (1), wherein groove parts (20) are defined between the adjacent tooth parts (2), and the tooth part (2) comprises a first tooth; and windings (3), arranged on the tooth parts (2), wherein the windings (3) are wound from the first tooth, and the windings (3) pass through the crossover lines of the groove parts (20) on both sides of the first tooth when winding other tooth parts (2). The windings (3) are wound from the first tooth, and after the windings (3) are wound on the first tooth completely, the windings (3) pass through the crossover lines of the groove parts (20) on both sides of the first tooth when winding other tooth parts, so that the crossover lines of the same winding are concentrated in a region, i.e., concentrated in the groove parts (20) on both sides of the first tooth, and then, a tap is led out from the groove parts (20) on both sides of the first tooth, so that the tap is concentrated in a region, thereby facilitating the connection.

Fig. 1