

TITLE OF INVENTION: BRUSHLESS MOTOR, MANUFACTURING METHOD THEREFOR AND APPARATUS

ABSTRACT

The present disclosure relates to a brushless motor, a manufacturing method therefor and an apparatus. The brushless motor includes: at least one stator core (1), each stator core (1) including a plurality of tooth groups (11) which are spaced apart in a circumferential direction thereof, and the total number of the tooth groups (11) being Z ; a rotor (2), which is rotatable relative to the stator core (1), the rotor (2) including a magnetic ring (21) having P poles, and P being an even number; and at least two-phase wires (3), which are wound around the tooth groups (11) to form coils (31) on the tooth groups (11), the total number of phases of the wires (3) being X , each phase wire (3) having an independent first end and second end, for the same phase wire, the number of tooth groups (11) spaced between coils (31) on two adjacent tooth groups (11) being $X-1$, winding directions of the coils (31) on the two adjacent tooth groups (11) in the circumferential direction of the tooth groups (11) being opposite, and $Z=P*X$.

Fig. 1