ABSTRACT

WINDING METHOD FOR RADIAL MAGNETIC BEARING STATOR, RADIAL MAGNETIC BEARING STATOR AND RADIAL MAGNETIC BEARING

The present application provides a winding method for radial magnetic bearing stator, a radial magnetic bearing stator and a radial magnetic bearing. The winding method for radial magnetic bearing stator comprises: S110, sleeving a first formed stator winding on a first stator tooth of a stator core along a radial outward direction; S120, sleeving a second formed stator winding on a second stator tooth of the stator core along a radial outward direction; S130 wherein a first coil of the first formed stator winding is connected in series with a second coil of the second formed stator winding; wherein, the first stator tooth is adjacent to the second stator tooth, and a stator slot is formed therebetween; and the coil number of the first formed stator winding is larger than that of the second formed stator winding. The winding method for radial magnetic bearing stator and the radial magnetic bearing stator and the radial magnetic bearing made using the same according to the present application can achieve a higher slot space factor, thereby improving the work efficiency of the magnetic bearing without increasing the stator size and maintaining the low cost as well.

[Figure 1]