

Abstract

A method of manufacturing a stator for a slotless electric motor

The present disclosure is directed to slotless electric motor, in particular, to a method of
5 manufacturing a stator for a slotless electric motor. An aspect of the disclosure provides a
method of manufacturing a stator for a slotless electric motor, the method comprising:
disposing a conductor in the shape of an annular cylinder; bonding a plurality of bonded
lengths of the conductor, wherein the plurality of bonded lengths are separated by non-
bonded lengths; folding the conductor to provide a plurality of petals repeated along the
10 conductor, wherein each petal comprises a pair of bonded lengths connected by a non-
bonded length; rotating each petal about a point on the second circle to align in parallel
the bonded lengths of all of the petals to thereby provide a stator comprising a cylindrically-
shaped conductor wherein the bonded lengths are equidistantly disposed around and from
a central longitudinal axis of the cylindrically-shaped conductor.

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[Figure 4A]

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