

Multilevel Winding Apparatus and Method

Disclosure Number

201102522

Technology Summary

The stator of a conventional electric machine contains electrical windings. These windings are located in the slots of the stator core. The more conductors packed inside the slot the higher power the machine can be, because a higher permissible current can go through a bigger conductor cross sectional area for higher power without generating excessive burning heat. Therefore, electric machine designers always look for the designs with high slot fill factors. We propose a winding with a high fill factor.

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