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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: ARBITRARY PHASE RELATIONSHIP FOR ELECTRICAL CONNECTIONS IN N-PHASE ELECTRIC MACHINES

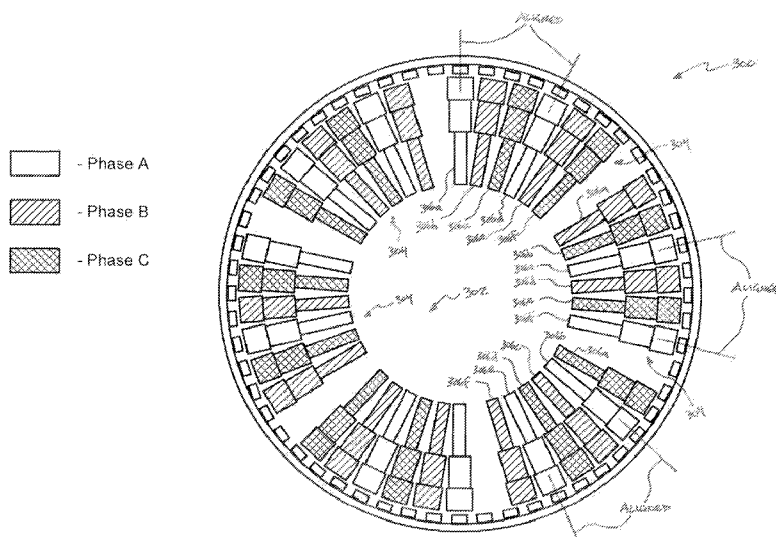


Fig. 12

(57) Abstract: In some aspects, the present disclosure provides an electric machine including a rotor assembly having a plurality of rotor poles, and a stator assembly having a plurality of stator modules, each stator module including multiple, independently energizable stator segments each corresponding to a segment position within the stator module. The stator modules are electrically connected to form sets of interconnected stator segments, each stator segment set including at least one stator segment from each of multiple stator modules and corresponding to a different electrical phase of the machine, and each stator segment set includes segments from different segment positions within their respective stator assemblies.



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