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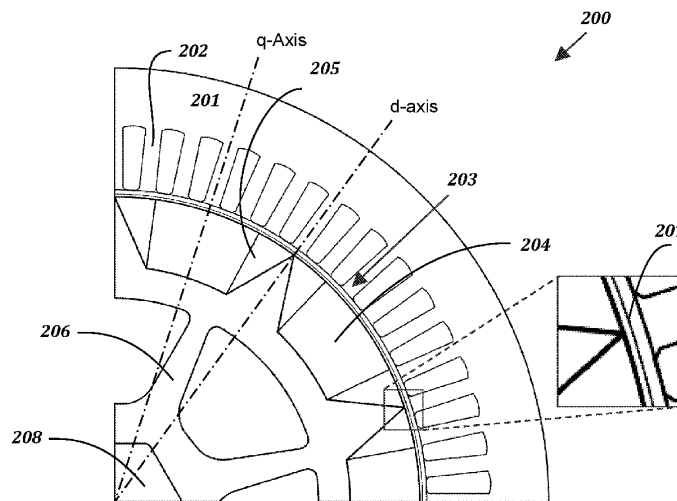


FIG. 2

(57) Abstract: A turbine includes: a variable flux memory motor (VFMM) generator that converts an input kinetic energy of the turbine to electrical power; and a controller. The controller: monitors a power load on the VFMM generator or the input kinetic energy of the turbine; receives a signal indicating a change in the power load or input kinetic energy of the turbine; and changes a magnetization state of the VFMM generator.

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