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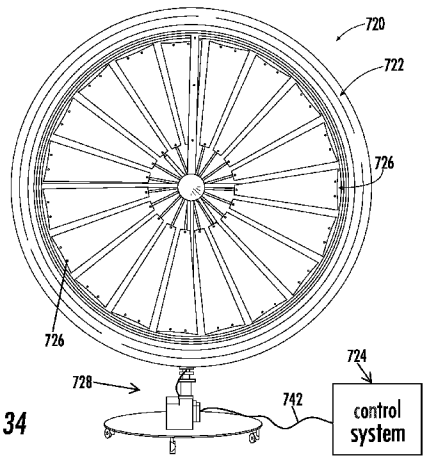


FIG. 34

(57) Abstract: A wind turbine includes a rotary shaft having an axis of rotation, a plurality of turbine blades supported for rotary motion by the shaft, and a plurality of magnets supported by and spaced outwardly from the rotary shaft. The blades are mounted to the shaft by a mount that is radially inward of the magnets wherein the magnets have an annular velocity of at least the annular velocity of the blades. The turbine also includes a conductive coil, which is located outwardly from the magnets and the blades, wherein the coil surrounds the magnets and the blades and which is sufficiently close to the magnets such that rotary movement of the magnets induces current flow in the coil. The electrical power extracted from the wind turbine may be harvested in a continuous manner, a pulsed manner, or a hybrid manner.

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