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(71) Applicant and

(72) Inventor: **WILLIS, Richard** [CA/CA]; Unit 23, Suite 333, 500 Fairway Road S., Kitchener, Ontario N2C 1X3 (CA).

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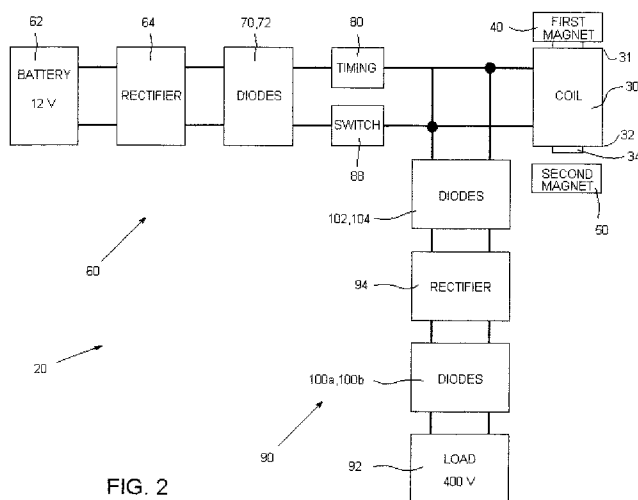


FIG. 2

(57) Abstract: An electrical generator comprises an induction coil having a first end and a second end. There is a first magnet disposed adjacent the first end of the induction coil so as to be in the electromagnetic of the induction coil when the induction coil is energized, and for creating a magnetic field around at least the first end of the induction coil. There is also a second magnet disposed adjacent the second end of the induction coil so as to be in the electromagnetic field of the induction coil when the induction coil is energized, and for creating a magnetic field around at least the second end of the induction coil. A power input circuit portion provides power to the induction coil. A timer is disposed in the power input circuit portion for creating electrical pulses and controlling the timing of the electrical pulses to the induction coil. A power output circuit portion receives power from the induction coil.