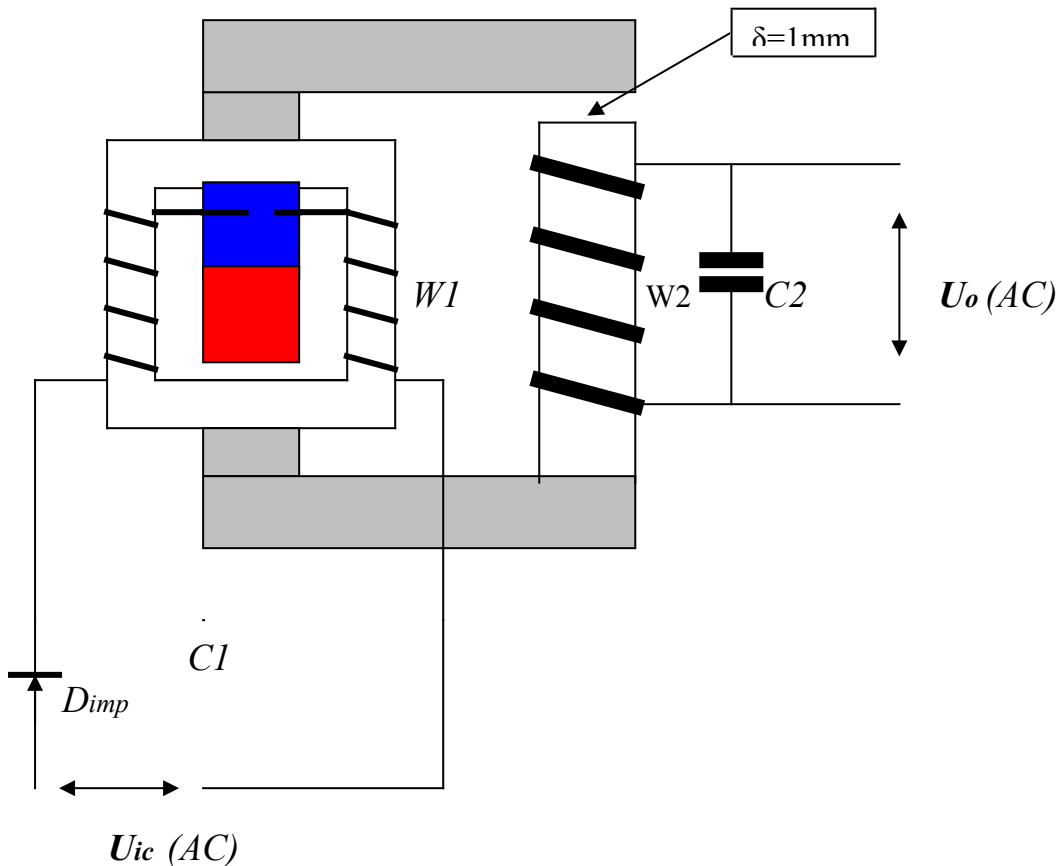


EXEMPLARY Implementation OF THE GENERATOR



$W1 - 2 \times 200 \quad d = 1.65 \text{ mm}$

$W2 - 1 \times 400 \quad d = 1.65 \text{ mm}$

$C2 = 50 \mu F$; $U_{C1}, U_{C2} \geq 450 \text{ V AC}$

Section magnetoPR. Switch – 12 cm^2 . Main thing and the worker – 20 cm^2 ;

Height of winding (coils): the worker – 15 cm ; on the switch – $2 \times 9 \text{ cm}$.

used steel for the switch - lamella $3EI 150 \times 150 \times 40 \text{ mm}$;

The thickness of steel 0.5 mm .

Voltages of control $\frac{1}{2}$ (positive or negative half-period) from the stress of 127 volts AC. Pulse current - approximately 10 ampere. If in there is no toroid place for the permanent magnet, then it is possible to place, also, before the manager toroid. This changes nothing.

As the source of pulses used the diode DSEI60-06A. Time is the work of diode, i.e., duration of pulse τ , depending on induced BEMF with recovery the magnetic flux of

permanent magnet in shunt. Thus the angle of misfire γ is determined from the cosine of the relation of E/E_{2m} , where E is BEMF,

$$\cos\gamma = E/E_{2m}$$

In this case it has angle of $27^\circ - 30^\circ$, and the duration of pulse - 2.50 to 4.00 milliseconds. At the output it is possible to place rectifier filter so that it would be more easily measure the output power. Certainly, this will introduce additional losses. Control current is measured before diode and it appears secondary current power transformer (or another device) - its positive or negative part. So one must take this into account during the measurement. Control voltage it is necessary to measure as voltage decrease on the diode, where is determined the pulse duration. But it, as they said above, to depends from BEMF value. The different version is key modulation [INKOMP], this into the regime of the summing up, when both windings they work in parallel. This is indicated to [skh].[skh]. 1 and 2 to patent claim. Then, in this case, output power will be by an order two higher than with the circular, but the effect of commutation with difficulty is noted. This in the manner that in this case energy of control participates, also, into the inductions EMF in inducing winding.

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Valerie Ivanov