

ABSTRACT

MONOPHASE ELECTRIC POWER GENERATOR

The monophas generator (1) includes a rotor (2) magnetic means (6a, 6b) generating $2N$ radial magnetic fields of alternate directions, and a stator (3) including a coil (13), a first (7) and a second (8) stator plate, a
5 first series of N teeth (9) arranged around the rotor (2) and magnetically connected to the first stator plate (7), a second series of N teeth (10) arranged around the rotor (2), each between two teeth (9) of the first series, and magnetically connected to the second stator plate (8), and
10 coupling means for magnetically coupling the first (7) and the second (8) stator plates.

The coil (13) is wound around a core (14) which forms part of the magnetic coupling means for the first (7) and second (8) stator plate.

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Figure 1