

Abstract

ULTRA-HIGH FREQUENCY ELECTROMAGNETIC MOTOR

In summary, the operation of the ultra-high frequency (UHF) electromagnetic motor or thruster, the object of this invention, is based on generating extremely short and powerful electrical, magnetic or electromagnetic field pulses and separating (unrooting) or disassociating said field pulses from the originating source, so that subsequently the emitting device and a device that is the objective or target, a support structure that supports both devices and another elements connected to said support structure are for an instant disassociated from the field, waiting for the pulsed field to reach the objective or target. At that moment, the element emits a field with a polarization that allows the exertion of a force that attracts or repels the field pulse, with respect to the objective or target and consequently with respect to the motor of which they form part as a unit, both the emitter and the target being joined by a support structure. Adequate synchronization in the emission of the field pulses is controlled by a set of electronic circuits formed by a power module, a control unit based on a microcontroller, power sources, banks of capacitors and overshoot-suppression circuits. All these circuits are connected to form a pulse generator or continuous signal generator that functions as such, operating between the UHF and super-high-frequency (SHF) bands.

Figure 7