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2. An apparatus comprising:
- a. a container for holding a fluid solution including water;
 - b. a pair of electrodes arranged within said container, said electrodes being spaced apart from each other by 5 mm or less; and
 - c. a power supply coupled to said electrodes for providing a pulsed signal to one of said electrodes, said pulsed signal having a mark-space ratio substantially equal to 10:1 and a frequency of from 10 to 250 KHZ;
 - d. wherein said electrodes are adapted for submersion in said fluid solution.
3. The apparatus of claim 2, wherein said pulsed signal from said power supply has a voltage of 12 volts and a current of 300 ma.
4. The apparatus of claim 3, wherein pulsed signal has a square-wave waveform.
5. The apparatus of claim 3, wherein both of said pair of electrodes form a flat plate.
6. The apparatus of claim 5, further comprising at least one additional pair of electrodes coupled to said power supply, wherein each electrode of said additional pair of electrodes forms a flat plate.
7. The apparatus of claim 5, wherein both of said pair of electrodes is formed by a same material.
8. The apparatus of claim 7, wherein said material forming said electrodes is stainless steel.
9. The apparatus of claim 3, wherein said apparatus is adapted to produce hydrogen and oxygen from a fluid solution in the absence of a chemical catalyst.
10. The apparatus of claim 3, wherein said container includes a pressure relief valve which opens if the pressure within said container exceeds a predetermined threshold.
11. The apparatus of claim 3, wherein said apparatus is adapted to produce hydrogen and oxygen from a fluid solution in response to said pulsed signal and said container includes an output port for outputting said hydrogen and oxygen, and further comprising:
- a device including an input port connected to said output port for receiving said hydrogen and oxygen, said device selected from the group consisting of:
 - a. an internal combustion engine;
 - b. a reciprocating piston engine;
 - c. a gas turbine engine;
 - d. a stove;
 - e. a heater;
 - f. a furnace;
 - g. a distillation unit;
 - h. a water purification unit; and
 - i. a hydrogen/oxygen flame jet.
12. The apparatus of claim 2, wherein one of said pair of electrodes forms an inner cylinder and the other of said pair of electrodes forms an outer cylinder surrounding said inner cylinder.
13. The apparatus of claim 12, wherein both of said pair of electrodes is formed by a same material.
14. The apparatus of claim 13, wherein said material forming said electrodes is stainless steel.
15. The apparatus of claim 2, wherein said apparatus is adapted to produce hydrogen and oxygen from a fluid solution in the absence of a chemical catalyst.
16. The apparatus of claim 2, wherein said container includes a pressure relief valve which opens if the pressure within said container exceeds a predetermined threshold.

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17. The apparatus of claim 2, wherein said apparatus is adapted to produce hydrogen and oxygen from a fluid solution in response to said pulsed signal and said container includes an output port for outputting said hydrogen and oxygen, and further comprising:
- a device including an input port connected to said output port for receiving said hydrogen and oxygen, said device selected from the group consisting of:
 - a. an internal combustion engine;
 - b. a reciprocating piston engine;
 - c. a gas turbine engine;
 - d. a stove;
 - e. a heater;
 - f. a furnace;
 - g. a distillation unit;
 - h. a water purification unit; and
 - i. a hydrogen/oxygen flame jet.
18. An apparatus comprising:
- a. a container for holding a fluid solution including water;
 - b. a pair of electrodes arranged within said container;
 - c. a coil arranged within said container;
 - d. a first power supply coupled to said electrodes for providing a first pulsed signal to one of said electrodes; and
 - e. a second power supply coupled to said coil for providing a second pulsed signal to said coil.
19. The apparatus of claim 18, wherein
- a. said electrodes are adapted for submersion in said fluid solution; and
 - b. said coil is arranged above said electrodes.
20. The apparatus of claim 19, further comprising a switch coupled to the second power supply to connect/disconnect said second power supply to/from said coil.
21. The apparatus of claim 20, wherein said second power supply is a variable voltage power supply for varying a voltage level of said second pulsed signal over time.
22. The apparatus of claim 21, wherein said first power supply is a variable output power supply for varying at least one output parameter of said first pulsed signal over time.
23. The apparatus of claim 20, wherein said container includes a pressure relief valve which opens if the pressure within said container exceeds a predetermined threshold.
24. The apparatus of claim 19, wherein said second power supply is a variable voltage power supply for varying a voltage level of said second pulsed signal over time.
25. The apparatus of claim 24, wherein said first power supply is a variable output power supply for varying at least one output parameter of said first pulsed signal over time.
26. The apparatus of claim 19, wherein said first power supply is a variable output power supply for varying at least one signal parameter of said first pulsed signal over time.
27. The apparatus of claim 19, wherein said second power supply includes an astable circuit that oscillates at a frequency of between 17 Hz and 22 Hz.
28. The apparatus of claim 19, where said pair of electrodes are spaced apart by 1 mm.
29. The apparatus of claim 28, wherein one of said pair of electrodes forms an inner cylinder and the other of said pair of electrodes forms an outer cylinder surrounding said inner cylinder.
30. The apparatus of claim 29, wherein both of said pair of electrodes is formed by a same material.
31. The apparatus of claim 30, wherein said material forming said electrodes is stainless steel.