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Nikola Tesla's Electrostatic Technology Can End Carbon Emissions Now

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The electrical discoveries made by Nikola Tesla through his unique approach of using longitudinal electric waves in his research also means that those discoveries represent a proven new technology. Tesla's approach to electricity offers us low cost easily implemented solutions for many of civilizations most pressing fundamental problems but will completely disrupt the current flavour of G7 plans for eventual transition away from fossil fuels. I think G7 world leadership has completely failed us and now our very existence is in jeopardy. I am writing this document to offer Tesla's alternative.

We can use this technology to 'dissociate' carbon dioxide gas molecules at standard atmospheric conditions or even as they are created by the combustion of fossil fuels.

We can 'fix' atmospheric nitrogen directly to the soil and manufacture ammonia without all the expense of pressurized containment.

We can 'generate' ozone from atmospheric oxygen in any required quantity for water purification and sanitation.

All of this can be easily done by any nation, anywhere on the planet simply because the underlying electrostatic technology is 'fundamental' and does not require complex manufacturing resources. Tesla's patents and the published written works that collectively describe his unique approach are all now in the public domain so nobody can own this technology meaning it can only be shared. I can provide any interested parties with detailed specifications for all the necessary components required to Received: July 28, 2023 Published: August 07, 2023 © All rights are reserved by William John Montague.

assemble apparatus capable of the above claims. I can build any of these in less than 3 months with a properly equipped laboratory and material supplies.

Fossil fuel greed and civilization's progress have collided. The natural environment of the entire planet is 'on the brink' because of what I will collectively call environmental 'swing events' which happen near where atmospheric pressure gets very high or very low. These trigger extremes of adverse weather events resulting in a domino effect of minor local ecosystems collapsing. Our collective, cumulative, fossil fuel combustion with the resulting carbon emissions are the primary cause and everybody with any intelligence in the high places of governance in this world knows this very well. We won't ever solve this unless world leadership admits the truth, so the first thing we need is for all of them to just stop with all the lies. Taxing carbon and planting a few trees will not make any difference.

The climate change situation has become so dire so quickly and is upon us right now simply because climate change has been deliberately accelerated ever since the Kyoto Accord. What is even worse are the huge emission increases in every year of this current decade being made by deliberate intentional economic policy. All of the richest nations on Earth derive their wealth by or from controlling the exploitation of fossil fuels.

This all means that the extremely bad weather events that are randomly happening everywhere and increasingly closer together will continue on this trend. Both the power of the water and the energy of the fire winds unleashed in these events will keep on

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growing with no end limits. The reconstruction and recovery costs from the impacts of ever larger and ever more frequent extreme weather events are rising even faster than the carbon dioxide emissions causing them. Endless reconstruction from weather related disasters is certainly not a 'good' job creation strategy nor is it 'good' economic stimulation. There shouldn't be any surprise about any of this happening because world wide rates of generating carbon emissions from fossil fuel combustion have kept on increasing every year of this century. The trouble now is the 'no return' or 'tipping' point for complete extinction level environmental collapse. So many delicate ecosystems will now be erased before the end of this decade that unless drastic major changes happen right now you should be very, very scared.

I am writing this final article because I understand exactly how to build an electrical apparatus composed of some loosely connected harmonically tuned oscillating circuits where high frequency impulses of high voltage will collectively be used to create a 'molecular dissociation' friendly environment for specific atmospheric gases.

The final or output stage of such an apparatus simply conditions the 'ether' in the volume of space between two highly charged isolated parallel conducting surfaces. You could call this space a cold plasma field when the apparatus is operating. It all works by properly timing extremely rapidly alternating electric force fields of opposite charge polarity throughout the space. These oscillations can be 'tuned' by interference into conditioning the electric forces or energy flows to substantially reduce the amount of 'work' required to pass energy into the inter-molecular structures of the specific gas molecules passing between the charged surfaces. The trick so to speak is in the timing of the alternations of rushing electric charge into and out of the terminals of the high voltage secondary. The high voltage secondary coil creates the high density rapidly oscillating electric fields. These high density electric fields have to be oscillating too rapidly for an actual electric current to start to flow. This enables the conjoint electrostatic effects of the oppositely charged fluctuating electrostatic forces to cause ever stronger stresses within and external collisions of the gas molecules passing through such a field. Through the use of the mathematics associated with acoustic or sound harmonics resulting in a resonant rise of energy, the impulses are timed to create the appropriate rates of change to the standing waves formed in the

cavity. It is actually very easy to dissociate a gas like carbon dioxide this way in a cold plasma environment. I have concluded that this can be accomplished even directly after the carbon dioxide has been created by the combustion of a fossil fuel and would be very interested in constructing a simple electric and mechanical device that will eliminate the carbon dioxide combustion emissions as they are created. If anyone is interested, I am now available (and if you want, such a device can do much more than just break up carbon dioxide. If for example the liberated carbon monoxide is properly combined and fed back in as part of the engine's fuel supply...).

I also claim that this molecular dissociation can be done using a small fraction of the output energy of the operating engine. Supposedly, the "laws of physics" tell us that this is impossible. I dispute this simply because I have learned from Nikola Tesla's research that those electrical laws can be bypassed. It simply is not true that it takes as much energy to dissociate carbon dioxide as was released when it was created by the combustion of fossil fuels. I claim to have a deeper and different understanding of electricity and that I can explain exactly how this differs from our so-called electrical laws of physics. Frankly, I am dumbfounded that no one anywhere has ever paid enough attention to Tesla's accomplishments to seriously look into his advanced research and actually follow his train of thought and very precise instructions.

To keep it really simple, the high voltages and frequencies so easily and inexpensively and safely attained by Tesla's methods generate the necessary extremely powerful but short duration impulses of electrostatic force needed to dissociate gas molecules at little expense. These forces do fall off at the square of the distance but grow at the square of the voltage and when synchronized properly between two parallel facing isolated conducting surfaces the alternating electrostatic forces will condition the entire dielectric space between these two isolated conducting surfaces to generate a visible electric plasma.

These powerful electrostatic impulse forces can be tuned to cause any atmospheric gas molecules to collide with enough force to initiate what is called avalanche breakdown, even under normal atmospheric conditions, so the total energy requirements per dissociated molecule are very much smaller than the laws of physics suggest.

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Separating the different types of atmospheric gas molecules first and removing all water vapour makes this apparatus far more efficient. A simple means for gas 'separation' can be created by using the same type of apparatus as for gas 'dissociation'. It only requires slight modifications to the charge source circuit and to the final or output stage in the apparatus circuit designs. Instead of two parallel isolated flat surfaces of large area, the gas separation process would use a long thin wire, made incandescent by attaching it to the alternating high voltage secondary. The wire length is chosen such that it becomes incandescent from the friction of collisions of atmospheric gas molecules crashing into it by electrostatic attraction and then being thrown off with the reversal change in the electric field as the oscillating charge of the high voltage secondary surges in and out of the terminal wire. This wire would be attached to one terminal of the high voltage secondary coil and must also be isolated in space (not grounded) as were the large surface plates of the 'dissociation' device. The wire is fixed as the central axis at one end of a long cylinder or tube through which the gases to be separated are caused to flow under some small pressure from the supply at one end. At the far end the cylinder is divided into two or more concentric channels guiding the separated gases to the outputs at the end of the cylinder. The individual output tubes carry away the various species of gases found at different distances from the central axis. The lightest gases will be thrown the furthest or closest to the outer wall of the cylinder. 2H2O has a molecular weight of 20, CO2 is 44, Nitrogen molecules or N2 is 28 and Oxygen 32. Any level of purification can be attained by simply reprocessing the same volume of gases over and over or setting up several stages. All the various atmospheric gas molecules (neutral as to charge) will first be attracted to the highly charged wire and then be repelled with the lightest gases thrown the furthest... Easily purifying atmospheric gases would solve huge air pollution problems for billions of people. We only have very expensive technologies that can do this right now.

Getting back to molecular dissociation, the charged gas particles within a pure plasma can be easily separated if they stay highly charged long enough. It seems that it is not well understood that the real problem with dissociating carbon dioxide is the proclivity and speed by which it will recombine and that if other types of gas molecules are mixed in, the dissociation results are minimal to begin with. To be able to do all of this at normal standard conditions of temperature and pressure means anyone can do this anywhere without very expensive equipment and energy costs for containment as are necessary for current technologies.

As to why this works, I could say that our understanding of electricity as derived from Ampere's research and theory is flawed as Maxwell pointed out and I won't comment on what are called 'Hertz waves' or Heaviside's simplifications of Maxwell's equations which were really only concerned with long distance telegraph transmission lines. I will say that Einstein's 'relativity mathematics' and Tesla's 'nodal' or 'surface boundary' or 'near field' energy transfers are incompatible. Tesla's tiny ether gas particles have to be vibrating at approximately twice the speed of light to carry electric charge energy just like air molecules are vibrating at about twice the speed of sound to carry sound energy. This is very relevant to producing this cold electric plasma as it is the electrostatic forces that create the plasma that consists of dissociated gas molecules.

There are two ways of generating electrical power, one of them is by the rate of change of a current flowing through an inductor. Resistance is simply molecular friction and loss but impedance can replace resistance in a circuit without such a loss of power. What I am trying to say is that there is nothing in Nikola Tesla's research which is not now common knowledge except for Tesla's unique understanding of 'ether' interactions in the application of electrostatic forces. You could say he makes use of electric polarization forces at a molecular level and that our electrical current laws of physics ignore this as a form of usable energy.

His technology actually requires controlled breaks in the continuity of the circuits to function at all. These actions are violations our electrical 'rules' and no one is willing to even look into it.

Perhaps because it may be the only chance to restore the world's natural environment or perhaps because time has all but run out if we want to stop climate change or perhaps because it is even necessary if we want to avoid our own extinction, are perhaps powerful reasons why you need to consider implementing Tesla's concepts.

How does it matter if we can use Tesla's ether concepts to accomplish these desperately needed results. Even if the ether gas concept is wrong, what does it matter if simply by thinking that

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tiny ether particles are vibrating at twice the speed of light and carrying the energy of electric force makes it possible to conceive of and implement vital real-world solutions to what have so far proven to be unsolvable problems? How is adopting the Tesla ether gas paradigm any different from blindly following a different modern metaphysical concept like Einstein's 'relativity' which can not possible be correct simply because it is in itself a necessary correction.