It's my intention that this idea should be a part of the public domain and should never be patented.

This idea was first posted on the internet, and was first declared to be public domain, on Monday, October 30, 2006.

This document was most recently revised on Thursday, April 15, 2021.

This document is approximately 290 words long.

I don't know if this idea will actually work. I'm posting it here in the hope that, eventually, it will be investigated by a team of competent researchers. Meanwhile, by posting it here I intend that it shall become a part of the public domain and shall never be patented.

Select a gaseous compound of Uranium, Plutonium, or some other appropriate radioactive element or compound.

Design a nozzle that will, when the gas is pumped through it at a high speed, create a region of very high gas density near its orifice.

Install the nozzle into a large, toroidal gas chamber.

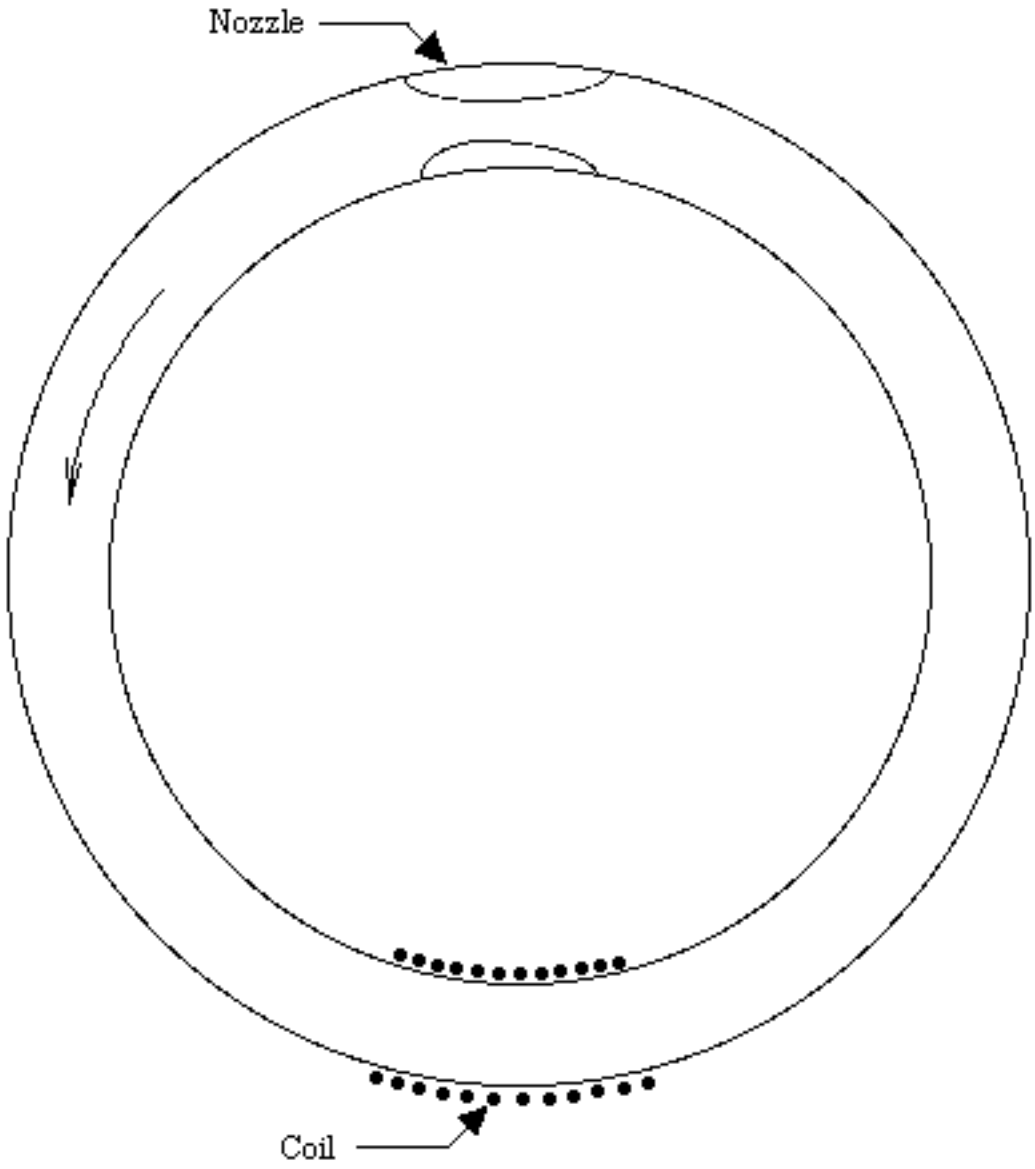
Fill the gas chamber with the radioactive gas.

Pump the gas through the nozzle at a high speed.

The radioactive gas in the high density region will ignite a nuclear reaction. The nozzle will then operate like a ramjet.

If the gas can be converted to an ionized plasma, then energy can be extracted from it by electrical coils wrapped around the toroidal gas chamber, using the principles of magnetohydrodynamics. The same coils might be used to initially pump the plasma to start the ramjet, if the radioactive gas can first be heated to a plasma by an outside heat source. Otherwise, it will be necessary to install a pump and a turbine, or a combined pump and turbine, within the gas chamber.

See the simple sketch on the next page



Gas Fuel
Toroidal Nuclear Reactor Core