

Gary Vesperman's List of Inventions

Energy

layered metal foil semiconductor power device
ball lightning and self-confined thermonuclear reaction
ball lightning explained as a stable plasma toroid
micro-fusion reactor employing stable high-density plasma electron spiral toroids in neutron tube
electrostatic charge converter 'hydro-magnetic dynamo'
more on the remarkable potential of the torsion field for energy applications
the magnetic force is faster than light
Kiev, Ukraine's I.N. Frantsevich Institute of Problems of Materials Sciences (IPMS) thorium-232 energy accumulator
IPMS advanced solar photo-voltaic crystal lattice cells
Gravitational Systems pumps in cattle runway use weight of cattle to pump water
Gravitational Systems piezoelectric crystals embedded in road pavement generate DC electricity
Snaper low-cost propellerless wind turbine
electronically shaded photo-voltaic glass
Casimer-effect self-charging battery – three versions
Borrowdale's motor/generator
plasma solar panel
hydrosonic pump
Davis tidal turbine
colliding plasma toroid fusion
GeoExchange heat pump uses heat of earth or lake water to heat and cool a structure
high-density charge cluster device
hybrid cold fusion hydrogen reactor
electrino fusion power reactor
rotating and solid-state magneto-voltaic generators
Clem over-unity vegetable-oil engine
super-steam technology
uranium reactor in pail; available on E-Bay for \$5,000,000
gas-phase catalytic fusion
wind-solar hemisphere power station
LUMELOID™ light-polarizing photovoltaic thin film
LEPCON™ femto diode photovoltaic glass sheet
POWR/MASTR™ is high-efficiency industrial engine fueled by natural gas, propane or butane
Tesla turbine combustor
buried contact multijunction thin film solar cell
fiber-based cold fusion power cell
solar hydrogen producer
Hawkings' generator of cold electricity
double-exposure flat-plate solar collector
low-temperature phase-change engine
Muller's magnetic motor/generator
hyper-cap E-converter
cosmic induction generator
aluminum-water fueled hydrogen producer
switched energy resonant power supply

Energy (Continued)

maximum velocity wind turbine
converter of zero-point electromagnetic radiation energy to electrical energy
2-to-1 cylinder noble gas power plant
cold operating start technology for 100 miles/gallon automobiles
Boyce hydrogen carburetor
continuous charger for batteries – flux shifter
magnetically powered rotary unit
DiMatt Wankel closed-cycle freon/rotary turbine and generator
fluid thrust diode
Russian electrochemical energy source
high-voltage injection of rain water into cold fog
SPARTEC vacuum triode amplifier
portable power supply solar unit for hot water for Sterling engine
advanced Stirling cycle power unit
vapor generator
gas-generating BingoFuel Reactor
remediating nuclear waste with electron-captured protons with significant net energy gain
Brown nuclear battery
Nova-Neal compression engine
Nova phase change engine
Brinsbury hydrogen steam rotary engine
gate impulse turbine
flux capacitor
pressurized vapor driven rotary engine
self-restoring mechanical oscillator engine
energy buoyancy source
reactionless AC synchronous generator
pulsed capacitor discharge electric engine
zero point energy modules
electrostatic frequency converter
Swiss M-L converter
'negative' resistance in carbon fibers
neutrino voltaics
plasma biomass gasification
Moe-Joe spherical orgone energy accumulator significantly increases vehicle mileage
Electrodynamic field generator
Stirling Energy Systems utility solar
ENECO solid-state chip converts heat to
W2 Energy Birthing Affordable, Renewable Petrol
SolarCube™ by Green and Gold Energy
Cool Earth Solar – inflatable solar concentrator
EEStor Ceramic 'Battery' – 'energy storage' ultra-capacitor device made from ceramics
Nanotube supercapacitor battery
Multifactorial hydrogen reactor
preloaded ZrO₂-PdNi-D nanostructured cold fusion/lattice assisted nuclear reaction quantum electronic devices
DayStar Technologies' Silicon-Free Solar Cells – unique metal foil
Sines reluctance generator uses thin film superconductivity, vortices and magnetic flux gates.

Energy (Continued)

Nelson Scientific's device captures free electrons in a vacuum for electricity
Solar Hydrogen Energy Corporation – process converts landfill methane into clean hydrogen
Enviromission Solar Towers are like an inverted funnel
bladeless turbine with wide range of waste-heat-harnessing applications; produces methanol
cadmium telluride thin film solar PV modules
thermoelectric generator
salt water flow cell
radiation-free fusion process fuses boron-11 with a proton; results in carbon-12.
offshore wind technology
Kokhala: Electricity from low-temperature heat 120+ degrees and storage
StarTech's waste-to-energy plasma arc technology
Rauen superclassical ambient heat engine based on Proell effect
StarRotor continuous-cycle engine could replace internal combustion engine
plasma focus fusion may be far more feasible and less expensive approach to hot fusion
Kanarev's electrolysis process enables water to be main power
hydrino process generates light, power, plasma, and a vast class of new compositions of matter
vanadium redox battery is low cost and environmental impact; superior deep cycling life and can
be mechanically refueled in minutes
Blue Energy's highly efficient underwater vertical-axis windmill-like generator
Zotloterer gravitational vortex mini-power plant is simple to construct, has a turbine efficiency of
80% but is safe for fish due to low turbine speed. The gravitational vortex hydro technology
can be applied in rivers with water drop as little as 0.7 meters.
Flynn Research magnet power motor/generators; flux fields within core increase motor output by
3.5x or more. Possible solid-state generator applications. Also in all future motors.
Verdant Power low-impact kinetic hydropower solutions harness energy from rivers and tides
Valentin Technologies 130 MPG car seats 5 passengers car, free-piston hydrostatic powertrain
vertical axis wind turbine creates pull on the back side for 40%+ efficiencies, doesn't kill birds
Correas' pulsed abnormal glow discharge reactor produces about 1 kW DC electricity
Skystream's wind generator designed specifically for the grid-connected residential market
Cyclone Technologies Schoell Cycle Engine is external combustion engine; uses any fuel
Engineair's ultra-efficient rotary compressed-air motor
Hydristor converts vehicles into green hybrids with variable vane hydraulic pump/motor
permanent magnetic levitation wind power generator 20% more efficient wind turbines
MotorWind's plastic micro wind turbine brings generation cost down to around 1 cent/KWH
A123 Systems lithium-ion battery replaces cobalt oxide in lithium-ion cells with nanophosphate
gun engine is environmentally friendly and transmission-free; 92% efficient; based on fired bullets
massive yet tiny internal combustion engine features multiple firings in one cycle to give 40
times higher power-to-weight ratio, low parts count, low maintenance, high efficiency
Quasiturbine four-chamber Wankel-like engine burns fuel using photo-detonation
Plurion Systems zinc/cerium redox battery has highest power density; 250kW - 5MW
Steorn all-magnetic motor
sea wave power plants can generate electricity for 2 cents per kWh.
Nansulate Paint insulates and generates electricity from thermal difference between inside and
outside temperatures
Laddermill generator is high-altitude series of wings or kites connected to ground via cable
MDI Air Car uses compressed air to push its engine's pistons, 68 mph tops, range 125 miles AquaBuOY
generator is competitive with onshore and offshore wind farms and fossil fuels
Ergenics metal hydride heat engine converts solar hot water into electricity for less than 1¢/kwh

Energy (Continued)

Manchester (UK) Bobber is patented new wave energy device
Papp's noble gas engine utilizes nuclear process to generate tremendous energy
Torbay's magnetic transgenerator uses repelling power of magnets
thermionic solar cells use amorphous diamond nanostructures; 50% efficiency; half cost of silicon thermal
hydraulic engine generates from low heat input 180°F; silent; solar, geothermal or waste heat
Norsk Hydro floating wind turbine captures off-shore winds in deep water; no footing needed
flexible very thin film photovoltaic solar panels consist of unique metal alloy
very quiet O'Conner wind turbine can operate at low speeds while tolerating high wind speeds
Neo-AeroDynamic Wind/Water Turbine employs lift on the leeward edge, harnessing turbulence
low-impact hydrokinetic turbine harnesses tide and river flow without harming fish; no dam needed
Ecowatts Thermal Energy Cell is an electrolysis based energy cell that converts electrical power into
heat at an efficiency significantly greater than that of a conventional immersion heater.
Tectane's Aquahol is made from sorghum; water-ethanol ups mileage by 20-40%
converting abandoned oil wells which contain hot water to geothermal plants
SkyBuilt uses shipping containers as foundation for renewable off-grid energy systems
Magenn's Floating Wind Generators use inflatable, rotating balloon
Matteran Energy produces electricity and refrigeration from 150 degrees F water
D2Fusion has cold fusion home heaters and electricity generators
Kanzius radio wave generator splits water into hydrogen and oxygen causing the oxygen to burn RF
Nanometer-scaled generator produces direct current with mechanical energy from ultrasonic waves
Australian process makes ultra-thin silicon solar cells
Milkovic two-stage mechanical oscillator leverages secondary oscillations for 12-to-1 power gain
closed loop ammonia turbine-powered generator uses solar and other forms of low-temperature heat
Searl effect generator cheaply and safely produces electricity without fuel, pollution, friction, or noise
RSI Silicon debuts a far more inexpensive method of producing solar grade silicon
low-cost inflatable electric car is announced as world's first crash-proof, long range, flat-pack vehicle
PowerPlus retrofit water overspray for gas turbines cuts emissions 40%, saves fuel and ups capacity
Crower's six-stroke engine adds two strokes to inject water which turns to steam and cools engine
MagneGas plasma arc flow reactors process liquid wastes into clean burning fuel known as magnegas
thermoacoustics converts heated gas into sound waves to cook, cool, and/or generate electricity
pump-less, hydraulically operated, super-high-pressure diesel injector - 30% more power with less fuel
cylindrical Joe cell harnesses orgone energy to power a vehicle with no fuel line connected
Magnetronic motor uses small magnetic force to control large magnetic force; retrofit cars
BiosFuel directly uses water for fuel directly; bypasses hydrogen. Catalyst mixes water with waste oil
photosensor measures daylight to send signal to microcontroller that adjusts power for lights
Whisson vertical windmill cools air passing through whirling blades; then traps water from condensate
hydrogen boost technology improves vehicle fuel economy
bi-directional energy tower exploits differences in air density and earth density for passive solar power
two-piston combustion engine drives magnets by induction coils; generates electricity, not torque
Green steam engine runs on very low steam pressure and volume, low cost, lightweight, few parts
Revetec cam-drive engine uses pair of counter-rotating scissor cams, triples torque
Edwards heat pump is like solar hot water heater without collector panels, very efficient
WhalePower wind turbine has blades that mimic humpback whale's flipper, capturing more wind
pyramidal antenna transfers atmospheric electrostatic discharge impulses into circuit; converts to AC thin,
light, flexible polymer-based battery packs more power than standard alkaline battery
Tesla wireless power and free energy from ambient
Golka high-powered tesla-type energy tower
DePalma N-1 homopolar generator

Energy (Continued)

Puharich method and apparatus for splitting water molecules
Schmidt hydraulic wind turbine
hydrogen fuel system kit
over 30 methods of producing hydrogen as fuel for automotive, home, industrial and scientific uses
novel aqueous electrolysis methods for converting water into hydrogen and oxygen
Rasmussen water-to-energy electrolysis process
Boyce brown's gas carburetor
Meyer water fuel cell-powered car
solar-produced hydrogen turned into liquid hy-fuel
engine runs on water
motionless electromagnetic generator
Frank Richardson magnetic electrical generator
Frank Richardson bladeless steam turbine
advanced form of plasma-discharge energy
thorium powerpack
IPMS thorium-227 electricity generator
Spiteri water pump
magnatron – light-activated cold fusion magnetic motor
Johnson permanent magnet motor
Hendershot magnetic motor
8-kilowatt battery-popper motor
Hitachi magnet motor
vacuum triode amplifier
'school girl' motor and battery energizer
Model T Ford generator with magnets added
Takahashi magnetic Wankel motor
Kawai motive power generating device
Grander magnetic motor
John Richardson 90+ mpg carburetor
John Richardson atomic isotope generator
Fish/Kendig variable venturi carburetor
Belland 100 mpg carburetor that runs on gasoline fumes
Brandt 90 mpg carburetor
Myers efficient carburetor
Wiseman fuel savers
Ogle 100+ mpg oglemobile
Pogue 200+ mpg carburetor
Caggiano 100+ mpg fuel implosion vaporization system
Bbolon automobile steam engine
magnetic vortex hyper-ionization device
vibrating energy source
Stewart cycle heat engine
flywheel/dual hydraulic cylinder
Christopher Bird/Walter has list of 48 suppressed energy inventions
Schauberger jet-turbine
standalone water-based electricity generator
Warwick's Ampliflaire efficient wood-burning stove
Idaho inventor's advanced zero-point energy device

Energy (Continued)

Hudlow method of converting garbage and tires to gasoline, etc
Newman energy machine
Bill Jenkins knows of free energy machine
Volcheck engine powered by gas with unusual expansion properties
IPMS thermal electric cooling devices
Timothy Trapp's 127 energy technologies
Diggs liquid electricity engine
hyper-cap e-converter
Moray radiant energy pump/electricity generator
small electrical power converter
Yater heat-to-electricity converter
Trombly-Kahn closed-path homopolar generator
Trombly-Farnsworth solid-state oscillating electromagnetic system
Reich orgone energy motor
using low-grade heat, such as the heat from your hand to make electric power
ambient thermal energy 'power' for single family home, excess power sold to local utility
H2HyPod producer of hydrogen for internal combustion engines
water-fueled internal combustion engine with Garrett electrolytic carburetor
metamatter for revolutionary energy sources and rocket engines
motionless electromagnetic generator
Q-cell
WIN zero point electrical energy converter
vortical energy
conversion of aluminum internal combustion engine to magnetic motor
motor/generator with electro-magnetically separated magnetic poles
capacitive step-down transformer is a less costly, safer substitute for inductive transformers
Sola-Q self-focusing omni-directional solar cooker
Aaftaab furnace
super steam technology
flying saucer engine
electron spiral toroid Spheromak micro-fusion reactor (space launch costs reduced by 95%)
induction coil coating increases generator output by one-third
wind turbine conversion
nano-membrane pyro-gasification process
high-temperature incinerator
phase-conjugate-resonator Tesla coil
direct energy conversion
Casimer-layered electrodynamic generator
thin-film power generating disks
Testatika free energy machine
high-density charge clusters technology
energy catalyzer
cold fusion reactor with electric-to-thermal energy conversion
self-recharging energy generating gel cells
MulTask dome multiple-output omni-directional solar power generator
high-expansion magnetohydrodynamic liquid metal generator
Power Chip thermo-ionic generator

Energy (Continued)

double-exposure flat plate solar collector
protium H+ stoichiometric hydrogen gas generator
closed-loop phase-change gas system
self-recharging capacitive discharge thermal generator
ceramic electrodynamic wafer
solid-oxide fuel cell
magnetic drive generator
Don Smith's generator
OASIS electric power unit

Advanced Self-Powered Electric Vehicle

solid-state Quantum High-Energy Density Storage or Retrieval (QUENSOR™) device
nickel-iron and new lead-acid battery
NiMH batteries; solid-state lithium-ion batteries
IPMS crystal lattice energy storage/battery device
Ukrainian capacitor-like battery
Richardson blade-less tesla-type steam turbine
closed-cycle freon/rotary turbine
compressed air-driven air-conditioner/heater
advanced computer-controlled suspension system
low-temperature diamond or titanium nitride coating of vehicle parts
AuroraTek's self-charging electric bike
self-charging electric vehicle
switched reluctance motor
Stanley A. Meyer's water fuel cell-powered car
water engine
water-fueled internal combustion engine with Garrett electrolytic carburetor
Brown's gas carburetor
water-to-energy electrolysis process
noble gas plasma engine
Clem over-unity vegetable oil engine
multi-chambered rotary compression engine
closed-cycle Freon/rotary turbine, conical vortex heat exchange engine
four environmental heat engines
Volcheck: engine powered by gas with unusual expansion properties
isotopic semiconductor batteries
liquid electricity engine
90+ mpg carburetor
salt water flow cell car
conversion of aluminum internal combustion engines to magnetic motor
Muller motor/generator
perm-mag motor
fuel saver that nearly doubles miles per gallon of gasoline
motive power generating device
Walden amplified magnetic motor
other over-unity magnetic motors
orgone energy motor

Advanced Self-Powered Electric Vehicle (Continued)

IPMS thermal electric cooling devices
Cool Chips thermo-ionic refrigerator
torsion field radio without dropouts over all of Planet Earth
(unibody) basalt/carbon fiber foam body/frame made with IPMS high-temperature gas plasma detonator
Seanic View's electric DC motor component which greatly increases efficiency
one of more than a dozen candidate on-board fuel-less battery chargers.
electric vehicle power source
Bedini battery charger
catalyst induced hydrino transition cell
Maxwell Technologies ultra-capacitor
nickel-iron battery
Edwin Baldwin's super-capacitor
melanin battery-generator
nickel metal hydride batteries
solid-state lithium-ion batteries, liquid metal battery
John Hutchison's self-charged battery
endless electric field generator
Brown nuclear battery
Joe's orgone energy cell
Moe-Joe orgone energy cell
Yasunori Takahashi's ultra-capacitor
thin-film electrolytic cells
torsion field energy storage applications.

Materials

torsion field makes possible exotic new materials
torsion field geo-physical devices can be calibrated to locate mineral deposits, water and subterranean structures
diamond semiconductor devices (spin-off from aforementioned low-temperature diamond coating)
IPMS micro-channels and filters
IPMS-Chernovitsky super ceramics
IPMS high-temperature gas plasma detonator
IPMS-Kiev and Arzamas-16 super magnets
electric field permanently trapped in material
manufacture of synthetic diamond
manufacture of synthetic sapphire and ruby
high-temperature material has low heat transfer, lightweight, insulates more than asbestos, less toxic
transparent polymer
ultrasonic energy blends and hardens gel of polyester resin and water into very hard and strong sheets
unusual single crystal structure oriented plastic 1.1 micron film
polarizing-analyzing filters
low-cost Teflon [tm] coating on glass, metal and wood
ultra-purification of semiconductors such as silicon, germanium, copper, zinc, tin, etc
Novolac resin, used to "pot" or encapsulate integrated circuits
non-linear and linear optical crystals for optical communications, etc
edge-emitting luminescent crystals are new light sources, for communications, lighting, medical uses
method for "launching" soliton-like forms

Materials (Continued)

super-conductive manganite substrates
amplified ionization filtration technologies
non-linear crystals for opto electronics (optical transistors) for optical fiber communications switching
metallizing is hard coating in liquid bath on nearly all metals, silicides, diamonds, carbides, nitrides
bearing coating ...basically doubles the price, minimum
torsion field photographic applications which are capable of imaging the interior of virtually any
substance or structure without X-rays

“Diamonds... of several types made in the laboratory: a] diamonds and cubic boron nitride All of these are for industrial applications, not gems. We are talking about grit...small crystals. b] Diamond films... thin layers for "windows" in, on and for satellites, X-ray detectors, X-ray tubes and source tool emitters radioactivity detectors – many, many kinds. The big hit: Diamonds ...for heat sinks for electronics applications ... Diamonds to be used as the king of semiconductors and detectors. We are not talking about gems... or pretty and fat pieces... these are VERY thin films ... and fine dies, blades... tiny expensive pieces. Very precise and very pure metals, non metals, and compounds. NEW: there are several types of 'detectors' and diode materials that are "new" and unusual.... many come from the era of 1895 to 1935 and out to 1957. But, today, no one even knows of them. Ask ANY electronics person if I came to him and handed a thing that looked like a resistor ... with a ceramic and glass hermetically sealed opaque package... and he or she hooks it to a meter or oscilloscope... no markings on this thing.... and I hold it up to a light bulb... and read FIVE VOLTS or..... briefly hold a match or flame of a cigarette lighter under it... for less than 1/10th second and get a pulse of slightly OVER five volts? What is it? I can produce these for you now. This is the very tip of the list. There is an entire ARRAY of very valuable devices that do nothing but switch, control and/or modulate light... the light used in communications. These are simply made of glasses, and clear minerals of various types. The last companies of these types... small ones have been being bought up by the IBMs and Ciscos for from 10 to 80 millions of dollars. Check the stories of businesses involved with the optical aspects of communications by light. Anything "fiber-optics". Fiber switchers, routers, cross-point switches... the list goes on. All of these types of signal path devices are in use now... but they are not anywhere near enough. The market is projected in the billions in the next 2 and 3 years. And it will go up.”

Communications and Computers

torsion field communications
harmless torsion field cell phones would offer instant wideband communications with other torsion
field cell phones anywhere on Planet Earth without dropouts.
torsion field remote monitoring devices
torsion field long-range sensors
torsion field astrophysical monitoring and metering devices
three-dimensional holographic television
wireless video conferencing
dialog language replacement system
astronomical methodologies for acquiring information from sun activity, sun spot activity, meteor
activity, photosphere and magnetosphere activity, and ionosphere activity. These activities can and
do cause disruption of electrical power. The methods can warn of power surges.
new method of producing miniature low-cost tagging RF transmitters for Bluetooth, etc
method for making several types of novel antenna including but not limited to antenna at distance off
the ground with no tower, active antennas, physically small yet electrically large antennas, and
invisible antenna

Communications and Computers (Continued)

methods of light manipulation for communications, such as internet switches and similar
using water to make light from fluorescent lamp
magnetic mased systems
new methods of making light
US Patent 5842002: Computer virus trap
highly directional and inexpensive gravimetric sensor; detects objects in space and plots their position
computer chip cooling technology enabling the world's fastest personal computers
methods of communications
new method of making a length of cable a sensitive mechanical or microphonic transducer

Security

low-cost ultra-low frequency accelerometer, used in many industries for different uses from detecting earthquakes to setting off air bags in automobiles.
sensing of interaction of near electric field evanescent waves with matter and other fields
methods of seeing properties of solid matter for many uses. Images of the insides of devices and packages can be made as in airport security and to detect explosives
sensing of concealed weapons such as hidden pistols
improved ballistic armor is new kind of "bullet proof vest" to stop rifle bullets and knife
3-D visualization of electronic waveforms is new method of "seeing" electronic signals. One application detecting buried non-metallic or "plastic" anti-personnel land mines. (Mike Windell also has a method of detecting metallic land mines and other metallic objects up to 60 feet deep.)
novel magnetic ultra-low frequency sensing and analysis of mechano and magneto seismic activity

Health

Genesis electromagnetic frequency generator
zappers
restoring an organism to match its genetic template
electronic brainwave tuner for permanent cure of substance addiction
bio-energetic spheres
electrolyzed oxidizing water
ultimate system modeling software with cardiology as one application
theory of an anti-proton source and/or anti-neutron source, and
Dotto ring for anti-aging
reversal of the order to disorder arrow in the second law of thermodynamics
(Both of these methods require large, high-energy linear accelerator facilities. For 50 million dollars all aging, disease, and decay processes could be reversed in a one-mile radius)
defibrillator technology which uses no batteries
novel method for side tone training of professional singers and for helping hearing impaired
acquisition of biological signals by means of optical methods as opposed to bio-potential methodologies, for methods of sensing brain waves and heart beat but needs no electrical wires.
Can help in preventing sudden infant death and also can help doctors in many areas of health.
US Patent 5724982: Apparatus and method for measuring fluid flow (such as inside blood vessels)
US Patent 5439003: Apparatus and method for measuring fluid flow (such as inside blood vessels)
virtual telemedics system
torsion field dental imagers would bypass the harmful effects of X-ray dental imagers

Education

torsion field-linked school network of computerized segmented courses

Agriculture and Technical Solutions to Water Shortages

atmospheric water generation with post-processing units added to air conditioners and refrigeration units

world's richest mineral fertilizer

aquaponic food factory

etheric weather engineering

OASIS machine produces water by flowing air over a surface colder than the air's dew point temperature

vapor generator 1

snow vaporization

hydrosonic pump

water purification and pest control with electrical coils

oil viscosity

soil decontamination

vapor generator 2

air well

Spiteri water pump

primary water

Saltech's dynamic vapor recovery with zero discharge of brine

massive freshwater reserves under the ocean

Waste Treatment

Brac Systems recycles and filters gray water from showers and laundry for toilet flushing

high-temperature incinerator

Korell sewage treatment method

hydro-cavitator

soil remediation system

solid waste recovery

Hutchison-Lazaryan radio/audio frequency generator for cleaning oil-polluted ocean water

Radioactive Waste Treatment

theory of an anti-proton source and/or anti-neutron source

'refresher-regenerator' reverses the order-to-disorder arrow in the second law of thermodynamics

Canadian method neutralizes radioactive waste using an esoteric technology

Purdue U patent describes relatively inexpensive way of getting rid of radioactive material

Hawkings' generator makes yard-long white spark of cold electricity several inches in diameter

Substances inserted in spark sometimes transmute to heavier elements

collective ion accelerator treats both solid and liquid nuclear waste

dematerialization devices A, B, C and D using highest powered positive ions ever

photo-deactivation using gamma rays

implosion machine is electric arc welder modified to duplicate nature's ball lightning

Barker invented easiest, most effective, and least messy method for remediation of radioactive waste

Dr. Ronald Gillembaro's method of neutralizing waste

combine Brown's gas with bucking magnetic fields inside a plasma ball

transmutation of low-level nuclear waste into glassy substance with super high voltage

Radioactive Waste Treatment (Continued)

Searl effect generator-powered anti-gravity spacecraft for one-way trip out of solar system
Hamel's gravito-magnetic device-powered anti-gravity spacecraft for one-way trip out of solar system
Russian process uses liquid lead bismuth to trigger transforming in the form of neutrons
96% reduction of radioactivity by welding with Brown's gas; further reduction is possible by utilizing
 liquefied Brown's gas
accelerator-driven transmutation of waste
Brown's gas-metal matrix process
photoremediation
Wilhelm Reich's oranur effect method can denaturize radiation sources
ZIPPP fusion process
RIPPLE fission process
low-energy nuclear transmutation electrolytic cells
plasma induced/injected transmutation
Kervran transmutation reactions in biological systems
recovery of uranium from incinerated low-level radioactive waste using super-critical CO₂
plasma gasification melting converts radioactive waste into inert material and clean energy
e.coli cleans up nuclear waste cheaply, efficiently – Birmingham University
compact low-energy nuclear remediation with ultra-low momentum neutron generator
methods of influencing radioactivity decay
geomelting can encase nuclear waste in glass that is harder than concrete and lasts 200,000 years
destroy radioactive waste with fusion-fission hybrid reactor
ultra-low momentum neutrons produced by low-energy nuclear reactions for transmutation
Radha Roy's process transmutes unstable isotopes to stable ones by knocking out the extra neutrons by
 bombarding them with photons (produced as x-rays) in an electron linear accelerator
DOE's deep underground burial of radioactive waste at cost of \$150 billion
DOE opposes radioactivity neutralization to preserve source of bomb-grade uranium and plutonium
Santilli's certain resonating means which stimulate the decay of nuclei which are naturally unstable
entombment of Fukushima reactors – Use 3D/4D printing to build entombments of the Fukushima
 reactors in layers of hemp concrete, lead, and tungsten with a hemp plastic exterior
French vitrification program
ceramic wastefoms – 'synthetic rock'
environmental heat engines for emergency nuclear fuel cooling
controlled disturbance of aether density influences radioactivity decay
radioactivity of any radioactive material can be reduced by placement in artificial gravity field.
large finned containers buried in deepest ocean trenches
remediating nuclear waste with electron-captured protons with significant net energy gain
transmutation with lasers
flame-free incineration of radioactive waste in a catalyzer
list of 60 patents for transmutation of radioactive elements to nonradioactive in "Radioactivity
 Neutralization Methods" in www.padrak.com/vesperman
conditioning electromagnetic potentials, fields and waves to treat and alter matter by directly
 engineering spacetime
a negative potential applied to alpha-emitting radioactive material will enhance alpha decay
'Hutchison effect' for neutralizing both radioactive waste and dispersed radioactivity within 75 miles
a cool solution to radioactive waste disposal
piezonuclear reactions in solutions cavitated by ultrasound
adding organic molecules can positively affect the bioremediation of uranium
GE Hitachi plans to turn nuclear waste into fuel

Radioactive Waste Treatment (Continued)

plasma induced/injected transmutation

China finds way to extend life of nuclear fuel 60 times

hybrid nuclear fusion-fission produces neutrons through fusion to surrounding transuranic waste

best results for radioactive liquids have been demonstrated in the processing of thorium for a 30-minute period and achieving a reduction of radioactivity of about 90% from a liquid sample.

AmoTerra's process involves confined explosions involving proprietary mixtures of materials

extremely weak, non-classical, higher group symmetry electromagnetic fields can alter radioactivity

Space Travel Innovations

colliding plasma toroid fusion reactors could lift payloads into orbit with 99% cost savings

Mike Hanson's flying saucer engine

magnetic vortex drive engine

torsion field makes possible revolutionary new propulsion systems

Searl effect generator

anti-gravity ether shield

space drive engine

torsion field communications

ground transportation for colonies on Mars and Earth's moon

gravito magnetic device

warp drive would travel faster than light

David Burns' anti-gravity spacecraft

torsion field may 'uncurve' space and enable advanced propulsion devices

meta-stable helium as rocket propellant

Dotto anti-gravity thermionic couple

electric rocket

Moe-Joe orgone energy cell

inertia reduction, and possible propulsion by conditioning electromagnetic fields

inertia-less spacecraft and anti-gravity

Domestic Lens for telescopes

double magnetic fields plasma reactor

atomic powered plasma rocket engine

tubular shaped interstellar space craft

microwave engine could revolutionize space travel

nuclear electric rocket

Urban Design

21st century city adjacent to Tonopah airport – includes architect Jorg Ostrowki's ideas

Foundation of New Society

New Zealand building

Resort/town on east coast of Guatemala

Roger Scherrer knows of clever urban designs

Zooid Mission is 'a blueprint for the city of the future'

Belize government has express interest in rural and urban community design

Number of Inventions in Each Category

Energy	284
Advanced Self-Powered Electric Vehicle	59
Materials	28
Communications and Computers	20
Security	7
Health	17
Education	1
Agriculture and Technical Solutions to Water Shortages	17
Waste Treatment	7
Radioactive Waste Treatment	70
Space Travel Innovations	25
Urban Design	7
TOTAL	543

DISCLAIMER: Inclusion of any invention or technology described in this list of inventions does not in any way imply its suitability for investment of any kind. All investors contemplating any investments in these devices and technologies should first consult with a licensed financial professional. Prospective investors should exhaustively perform their own investigation of pertinent facts and allegations of facts. Investors should also ensure thorough compliance with regulations of the federal Securities and Exchange Commission and appropriate state securities divisions. For more information, see <http://www.zpenergy.com/modules.php?name=News&file=article&sid=1655>.

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