

# Patents for Electronic Harassment, Torture, Mind Control, Directed Energy Weapons, ETC.

One would think these were invented for good, but could or maybe used for evil.

This is just some, please let us know of others.

The first 4 have add info to help show what they can effect and use. Such as **V2K Via (wireless) cellular network**(Non-Contact Electromagnetic, remote exchange of information, hearing system, can be done through Cell Phones/Pocket Pc/Communicator/I-Phone/Smart Phone), Remotely monitoring and altering brain waves(processing bioelectrical signal, produces(heat, light, sound, VHF electromagnetic radiation), hearing device, reducing physiological stress(could induce too), remotely determining person's emotional state, Biological Signal Processing Unit/Wireless Memory/Biological Signal Processing System And Control System Of Device To Be Controlled(humans), **Energy focusing system for active denial apparatus**, High-performance gyrotron(vacuum electronic device (VED) capable to generate high-power, high-frequency THz radiation) for production of electromagnetic millimeter or sub-millimeter waves, Device for damaging electronic equipment using unfocused high power millimeter wave beams, Weapons system for a laser, Weapon having lethal and non-lethal directed-energy portions, Multi-functional radio frequency directed energy system, **Engine disabling weapon**, Remote vehicle disabling system, transmitting electric current by concentric channels of ionized gas, Tether-less neuromuscular disrupter gun, immobilize an internal combustion engine motor vehicle, Electromagnetic pulse generator, artificial lightning producing device, Electro-muscular incapacitation device, Short term power grid disruption device(electronics), manipulating a flying, etc..

The above shows these devices can/or be used for many things Targeted Individuals complain/or talk about experiencing!

Reference pages have links to more information

## Method and device for implementing the radio frequency hearing effect (V2K-Voice to Skull)

A modulation process with a fully suppressed carrier and input preprocessor filtering to produce an encoded output; for amplitude modulation (AM) and audio speech preprocessor filtering, intelligible subjective sound is produced when the encoded signal is demodulated using the RF Hearing Effect. Suitable forms of carrier suppressed modulation include single side-band (SSB) and carrier suppressed amplitude modulation (CSAM), with both side-bands present.

### PATENT CITATIONS

Cited Patent	Filing date	Publication date	Applicant	Title
<a href="#">US3563246 *</a>	Apr 24, 1967	Feb 16, 1971	Inteletron Corp	Method and apparatus for improving neural performance in human subjects by electrotherapy
<a href="#">US3629521 *</a>	Jan 8, 1970	Dec 21, 1971	Inteletron Corp	Hearing systems
<a href="#">US4835791 *</a>	Feb 20, 1987	May 30, 1989	Rockwell International Corporation	Single sideband signal generator

\* Cited by examiner

### REFERENCED BY

Citing Patent	Filing date	Publication date	Applicant	Title
<a href="#">WO2012030249A1 *</a>	Jun 3, 2011	Mar 8, 2012	Triphoj, Viktor Mikhajlovich	Electromagnetic therapy method and device
<a href="#">WO2012030250A1 *</a>	Jun 3, 2011	Mar 8, 2012	Triphoj, Viktor Mikhajlovich	Electromagnetic therapy device
<a href="#">WO2012099487A1 *</a>	Jul 22, 2011	Jul 26, 2012	Marat Kadirovich Sajphutdinov	Device for non-contact electromagnetic therapy which provides for the remote wireless exchange of information via a cellular network
<a href="#">WO2012099488A1 *</a>	Jul 22, 2011	Jul 26, 2012	Marat Kadirovich Sajphutdinov	Method and device for establishing wireless communication on the basis of non-contact electromagnetic therapy devices
<a href="#">WO2012099489A1 *</a>	Jul 22, 2011	Jul 26, 2012	Marat Kadirovich Sajphutdinov	Device combining the functions of a non-contact electromagnetic therapy device and the functions of a mobile telephone or pocket pc or communicator or i-phone or smartphone

\* Cited by examiner

[US patent 6,470,214 read pdf](#) - [reference page](#)

## Apparatus and method for remotely monitoring and altering brain waves

Apparatus for and method of sensing brain waves at a position remote from a subject whereby electromagnetic signals of different frequencies are simultaneously transmitted to the brain of the subject in which the signals interfere with one another to yield a waveform which is modulated by the subject's brain waves. The interference waveform which is

representative of the brain wave activity is re-transmitted by the brain to a receiver where it is demodulated and amplified. The demodulated waveform is then displayed for visual viewing and routed to a computer for further processing and analysis. The demodulated waveform also can be used to produce a compensating signal which is transmitted back to the brain to effect a desired change in electrical activity therein.

## PATENT CITATIONS

Cited Patent	Filing date	Publication date	Applicant	Title
<a href="#">US2880627 *</a>	Mar 26, 1953	Nov 18, 1958	Charles M Harden	Pattern photic stimulator
<a href="#">US3096768 *</a>	May 27, 1960	Jul 9, 1963	Tron Inc Fa	Electrotherapy system
<a href="#">US3233450 *</a>	Nov 8, 1961	Feb 8, 1966	Fry William J	Acoustic flaw detection system
<a href="#">US3483860 *</a>	Nov 2, 1964	Dec 16, 1969	Namerow Norman Stanley	Method for monitoring intrasomatic circulatory functions and organ movement
<a href="#">US3495596 *</a>	Mar 23, 1965	Feb 17, 1970	Medel Corp	Apparatus for and method of processing a bioelectrical signal
<a href="#">US3555529 *</a>	Aug 16, 1967	Jan 12, 1971	Systems Res Labor	Apparatus for measuring electric field radiation from living bodies
<a href="#">US3773049 *</a>	Nov 13, 1970	Nov 20, 1973	Ilina T	Apparatus for the treatment of neuropsychic and somatic diseases with heat, light, sound and vhf electromagnetic radiation
<a href="#">US3796208 *</a>	Feb 14, 1972	Mar 12, 1974	Memco Ltd	Movement monitoring apparatus

\* Cited by examiner

## REFERENCED BY

Citing Patent	Filing date	Publication date	Applicant	Title
<a href="#">US4140997 *</a>	Jul 21, 1977	Feb 20, 1979	Brady William M	Brain wave responsive programmable electronic visual display systems
<a href="#">US4305402 *</a>	Jun 29, 1979	Dec 15, 1981	Katims Jefferson J	Method for transcutaneous electrical stimulation
<a href="#">US4344440 *</a>	Apr 1, 1980	Aug 17, 1982	Trygve Aaby	Microprobe for monitoring biophysical phenomena associated with cardiac and neural activity
<a href="#">US4503863 *</a>	Sep 15, 1981	Mar 12, 1985	Katims Jefferson J	Method and apparatus for transcutaneous electrical stimulation
<a href="#">US4641659 *</a>	Apr 19, 1982	Feb 10, 1987	Sepponen Raimo E	Medical diagnostic microwave scanning apparatus
<a href="#">US4719425 *</a>	Apr 15, 1986	Jan 12, 1988	Scientific Innovations, Inc.	NMR imaging method and apparatus
<a href="#">US4858612 *</a>	Dec 19, 1983	Aug 22, 1989	Stocklin Philip L	Hearing device
<a href="#">US4958638 *</a>	Jun 30, 1988	Sep 25, 1990	Georgia Tech Research Corporation	Non-contact vital signs monitor
<a href="#">US5052401 *</a>	Mar 22, 1989	Oct 1, 1991	Westinghouse Electric Corp.	Product detector for a steady visual evoked potential stimulator and product detector
<a href="#">US5458142 *</a>	Mar 19, 1993	Oct 17, 1995	Farmer; Edward J.	Device for monitoring a magnetic field emanating from an organism
<a href="#">US5480374 *</a>	Mar 28, 1994	Jan 2, 1996	Van Dick; Robert C.	Method and apparatus for reducing physiological stress
<a href="#">US5507291 *</a>	Apr 5, 1994	Apr 16, 1996	Stirbl; Robert C.	Method and an associated apparatus for remotely determining information as to person's emotional state
<a href="#">US6510340</a>	Jan 8, 2001	Jan 21, 2003	Jordan Neuroscience, Inc.	Method and apparatus for electroencephalography
<a href="#">US6950697</a>	Oct 1, 2002	Sep 27, 2005	Jordan Neuroscience, Inc.	Electroencephalogram acquisition unit and system
<a href="#">US8717430</a>	Apr 26, 2010	May 6, 2014	Medtronic Navigation, Inc.	System and method for radio-frequency imaging, registration, and localization
<a href="#">US8818497 *</a>	Jul 12, 2005	Aug 26, 2014	Semiconductor Energy Laboratory Co., Ltd.	Biological signal processing unit, wireless memory, biological signal processing system, and control system of device to be controlled
<a href="#">US9320472 *</a>	Dec 30, 2011	Apr 26, 2016	University Of Cincinnati	Apparatuses and methods for neurological status evaluation using electromagnetic signals
<a href="#">US9357970 *</a>	Dec 30, 2011	Jun 7, 2016	University Of Cincinnati	Apparatuses and methods for neurological status evaluation using electromagnetic signals
<a href="#">US20030018278 *</a>	Oct 1, 2002	Jan 23, 2003	Jordan Neuroscience, Inc.	Electroencephalogram acquisition unit and system
<a href="#">US20080294033 *</a>	Jul 12, 2005	Nov 27, 2008	Semiconductor Energy Laboratory Co., Ltd.	Biological Signal Processing Unit, Wireless Memory, Biological Signal Processing System, And Control System Of Device To Be Controlled
<a href="#">US20140243647 *</a>	Dec 30, 2011	Aug 28, 2014	University Of Cincinnati	Apparatuses and methods for neurological status evaluation using electromagnetic signals
<a href="#">EP0013183A1 *</a>	Dec 28, 1979	Jul 9, 1980	Erwin Roy John	Electroencephalographic system for the quantitative description of patient brain states

\* Cited by examiner

### Energy focusing system for active denial apparatus

An active denial apparatus for use in non-lethal weaponry includes at least one focusing element configured to focus millimeter-wave energy along an axis of propagation. The at least one focusing element includes an astigmatic or dual axis focusing system configured to direct a focused beam that allows the active denial apparatus to accurately immobilize targets at both close and long range within acceptable limits of intensity.

#### PATENT CITATIONS

Cited Patent	Filing date	Publication date	Applicant	Title
<a href="#">US4339757</a>	Nov 24, 1980	Jul 13, 1982	Bell Telephone Laboratories, Incorporated	Broadband astigmatic feed arrangement for an antenna
<a href="#">US4553068</a> *	Oct 26, 1983	Nov 12, 1985	The United States Of America As Represented By The Secretary Of The Army	High power millimeter-wave source
<a href="#">US4926094</a> *	Mar 1, 1988	May 15, 1990	Centre for Recherches En Physique Des Plasmas	High-performance gyrotron for production of electromagnetic millimeter or submillimeter waves
<a href="#">US5302962</a> *	Dec 5, 1989	Apr 12, 1994	European Atomic Energy Community (Euratom)	Antenna system producing a millimeter wave beam having a gaussian-like distribution
<a href="#">US5422596</a>	Jun 30, 1994	Jun 6, 1995	The United States Of America As Represented By The Secretary Of The Navy	High power, broadband folded waveguide gyrotron-traveling-wave-amplifier
<a href="#">US5734303</a> *	Mar 28, 1995	Mar 31, 1998	The United States Of America As Represented By The Secretary Of The Air Force	Microwave waveguide mode converter having a bevel output end
<a href="#">US5777572</a> *	Jun 12, 1996	Jul 7, 1998	Northrop Grumman Corporation	Device for damaging electronic equipment using unfocussed high power millimeter wave beams
<a href="#">US5837918</a>	Nov 22, 1995	Nov 17, 1998	Daimler-Benz Aerospace Ag	Weapons system for a laser
<a href="#">US6766793</a>	Dec 12, 2002	Jul 27, 2004	General Atomics	Electromagnetic gun and rotating pulse forming network
<a href="#">US6950021</a> *	Sep 23, 2003	Sep 27, 2005	Walker Butler	Electronic wall using high-resolution millimeter-wave radar in conjunction with multiple plane reflectors and retroreflectors
<a href="#">US7126477</a> *	Jan 15, 2004	Oct 24, 2006	Raytheon Company	Millimeter-wave area-protection system and method
<a href="#">US7490538</a> *	Aug 18, 2005	Feb 17, 2009	Raytheon Company	Weapon having lethal and non-lethal directed-energy portions
<a href="#">US7629918</a> *	Dec 15, 2005	Dec 8, 2009	Raytheon Company	Multifunctional radio frequency directed energy system
<a href="#">US7633425</a> *	Nov 16, 2007	Dec 15, 2009	Ratheon Company	Waveguide system comprising reflective surfaces for directing a wave beam to a target
<a href="#">US7730819</a> *	Jan 7, 2009	Jun 8, 2010	Raytheon Company	Weapon having lethal and non-lethal directed energy portions
<a href="#">US20020011963</a>	Jul 26, 2001	Jan 31, 2002	Koslover Robert A.	Compact, lightweight, steerable, high-power microwave antenna
<a href="#">US20020018282</a> *	Jun 5, 2001	Feb 14, 2002	Rosenberg James J.	Electronically tunable and modulatable quasi-optic grid oscillator
<a href="#">US20070139247</a> *	Dec 15, 2005	Jun 21, 2007	Brown Kenneth W	Multifunctional radio frequency directed energy system
<a href="#">FR2881532A1</a>				<i>Title not available</i>

\* Cited by examiner

### Engine disabling weapon

**A non-lethal weapon for disabling an engine such as that of a fleeing car by means of a high voltage discharge that perturbs or destroys the electrical circuits. The transmission of the disabling voltage to the distant target is via two channels of electrically conductive air. The conductive channels are created by multi-photon and collisional ionization within the paths of two beams of coherent (laser) or collimated incoherent ultraviolet radiation directed to the target. A single beam may be used when the high voltage source and the target are grounded. The high-voltage current flows from electrodes at the origin of the beams along the channels of free electrons within them.**

## PATENT CITATIONS

Cited Patent	Filing date	Publication date	Applicant	Title
<a href="#">US3719829 *</a>	Apr 10, 1970	Mar 6, 1973	Versar Inc	Laser beam techniques
<a href="#">US3775638 *</a>	Mar 27, 1972	Nov 27, 1973	Versar Inc	Establishing highly conductive path in gas by thermal guidance of discharge
<a href="#">US4017767 *</a>	Dec 10, 1973	Apr 12, 1977	Ball Leonard M	Laser lightning rod system
<a href="#">US4453196 *</a>	Apr 25, 1983	Jun 5, 1984	Herr Jan E	Apparatus for transmitting electric current by concentric channels of ionized gas
<a href="#">US5175864 *</a>	Dec 5, 1991	Dec 29, 1992	Diels Jean Claude	Discharge of lightning with ultrashort laser pulses
<a href="#">US5293527 *</a>	Aug 5, 1991	Mar 8, 1994	Science Applications International Corporation	Remote vehicle disabling system
<a href="#">US5503059 *</a>	Jan 3, 1995	Apr 2, 1996	Pacholik; David R.	Vehicle disabling device and method

\* Cited by examiner

## REFERENCED BY

Citing Patent	Filing date	Publication date	Applicant	Title
<a href="#">US6679180</a>	Nov 21, 2001	Jan 20, 2004	Southwest Research Institute	Tetherless neuromuscular disrupter gun with liquid-based capacitor projectile
<a href="#">US6723225</a>	Jul 31, 2001	Apr 20, 2004	The United States Of America As Represented By The Secretary Of The Navy	Automobile engine disabling device
<a href="#">US6802261</a>	Oct 28, 2003	Oct 12, 2004	Southwest Research Institute	Tetherless neuromuscular disrupter gun with liquid-based capacitor (spray discharge)
<a href="#">US6802262</a>	Oct 28, 2003	Oct 12, 2004	Southwest Research Institute	Tetherless neuromuscular disrupter gun with liquid-based capacitor (liquid dielectric)
<a href="#">US7111559</a>	Jul 15, 2004	Sep 26, 2006	Maclachlan Edward K	Mobile electrical device for disabling a moving vehicle
<a href="#">US7191862 *</a>	Nov 8, 2002	Mar 20, 2007	Regents Of The University Of California	Apparatus for stopping a vehicle
<a href="#">US7412321 *</a>	Aug 14, 2003	Aug 12, 2008	De Sylva Robert F	System and method for selectively disabling a vehicle
<a href="#">US7451851 *</a>	Sep 14, 2004	Nov 18, 2008	Jeffrey Wax	Method and apparatus to immobilize an internal combustion engine motor vehicle
<a href="#">US7475624</a>	May 26, 2006	Jan 13, 2009	The United States Of America As Represented By The Secretary Of The Navy	Electromagnetic pulse generator
<a href="#">US7631950</a>	Feb 18, 2005	Dec 15, 2009	Lawrence Livermore National Security, Llc	Apparatus for stopping a vehicle
<a href="#">US7675731 *</a>	Jul 15, 2008	Mar 9, 2010	Bitar Peter V	Tunable and aimable artificial lightning producing device
<a href="#">US7736237</a>	Aug 23, 2006	Jun 15, 2010	Aegis Industries, Inc.	Electromuscular incapacitation device and methods
<a href="#">US7779954 *</a>	Oct 14, 2008	Aug 24, 2010	Jeffrey Wax	Apparatus to immobilize an internal combustion engine motor vehicle
<a href="#">US7824126</a>	Apr 6, 2007	Nov 2, 2010	Jocs Inc.	Method and system for stopping a vehicle
<a href="#">US7903698</a>	Feb 17, 2006	Mar 8, 2011	Applied Energetics, Inc	Controlled optical filament generation and energy propagation
<a href="#">US7990265 *</a>	Oct 6, 2008	Aug 2, 2011	Fischbach Trevor A	Method and system for tracking a vehicle
<a href="#">US8082849 *</a>	Mar 31, 2009	Dec 27, 2011	The United States Of America As Represented By The Secretary Of The Navy	Short term power grid disruption device
<a href="#">US8277328</a>	May 4, 2010	Oct 2, 2012	Aegis Industries, Inc.	Electromuscular incapacitation device and methods
<a href="#">US8344338</a>	May 9, 2005	Jan 1, 2013	Applied Energetics, Inc	Systems and methods for enhancing electrical discharge
<a href="#">US8387735</a>	Jan 30, 2008	Mar 5, 2013	Fiore Industries, Inc.	Method and apparatus for remotely disabling vehicles
<a href="#">US8436730</a>	Jun 27, 2011	May 7, 2013	So Holdings, Llc	Method and system for tracking and/or disabling a vehicle
<a href="#">US8905176 *</a>	Mar 4, 2013	Dec 9, 2014	Fiore Industries, Inc.	Method and apparatus for remotely disabling vehicles
<a href="#">US9079555 *</a>	Feb 13, 2012	Jul 14, 2015	Raytheon Company	Methods and apparatus to disrupt the engine of a vehicle
<a href="#">US20030111894 *</a>	Nov 8, 2002	Jun 19, 2003	Wattenburg Willard H.	Apparatus and method for stopping a vehicle

US20040089187 *	Oct 28, 2003	May 13, 2004	Southwest Research Institute	Tetherless neuromuscular disrupter gun with liquid-based capacitor (spray discharge)
US20050038592 *	Aug 14, 2003	Feb 17, 2005	De Sylva Robert F.	System and method for selectively disabling a vehicle
US20050058830 *	Sep 14, 2004	Mar 17, 2005	Jeffrey Wax	Method and apparatus to immobilize an internal combustion engine motor vehicle
US20050146208 *	Feb 18, 2005	Jul 7, 2005	The Regents Of The University Of California	Apparatus and method for stopping a vehicle
US20080159809 *	Apr 6, 2007	Jul 3, 2008	Costa James M	Method and system for stopping a vehicle
US20080223641 *	Jan 30, 2008	Sep 18, 2008	Fiore Industries, Inc.	Method and Apparatus for Remotely Disabling Vehicles
US20090059460 *	Jul 15, 2008	Mar 5, 2009	Bitar Peter V	Tunable and aimable artificial lightning producing device
US20090152040 *	Oct 14, 2008	Jun 18, 2009	Jeffrey Wax	Apparatus to immobilize an internal combustion engine motor vehicle
US20090195369 *	Oct 6, 2008	Aug 6, 2009	Fischbach Trevor A	Method and system for tracking a vehicle
US20100214084 *	Sep 5, 2007	Aug 26, 2010	Haste Iii Thomas E	Vehicle immobilizer
US20100242776 *	Mar 31, 2009	Sep 30, 2010	John Felix Schneider	Short Term Power Grid Disruption Device
US20120173120 *	Feb 13, 2012	Jul 5, 2012	Raytheon Company	Methods and apparatus to disrupt the engine of a vehicle
WO2007117644A2	Apr 6, 2007	Oct 18, 2007	Jocs Inc.	Method and system for stopping a vehicle
WO2010125141A1 *	Apr 29, 2010	Nov 4, 2010	Volker Haeberlin	Method and apparatus for manipulating a flying insect
WO2015136252A1 *	Mar 9, 2015	Sep 17, 2015	E2V Technologies (Uk) Ltd	Method and apparatus for remotely disabling vehicles

\* Cited by examiner

[US Patent 5,952,600 read pdf](#) - [reference page](#)

### **Method and system for generating sensory data onto the human neural cortex**

A non-invasive system and process for projecting sensory data onto the human neural cortex is provided. The system includes a primary transducer array and a secondary transducer array. The primary transducer array acts as a coherent signal source, and the secondary transducer array acts as a controllable diffraction pattern that focuses energy onto the neural cortex in a desired pattern. In addition, the pattern of energy is constructed such that each portion projected into the neural cortex may be individually pulsed at low frequency. This low frequency pulsing is formed by controlling the phase differences between the emitted energy of the elements of primary and secondary transducer arrays.

[US Patent 6,729,337 read pdf](#) - [reference page](#)

### **Method and device for producing a desired brain state**

A method and device for the production of a desired brain state in an individual contain means for monitoring and analyzing the brain state while a set of one or more magnets produce fields that alter this state. A computational system alters various parameters of the magnetic fields in order to close the gap between the actual and desired brain state. This feedback process operates continuously until the gap is minimized and/or removed.

[US Patent 6,488,617 read pdf](#) - [reference page](#)

### **Apparatus and Method of Broadcasting Audible Sound using Ultrasonic Sound as a Carrier**

An ultrasonic sound source broadcasts an ultrasonic signal which is amplitude and/or frequency modulated with an information input signal originating from an information input source. If the signals are amplitude modulated, a square root function of the information input signal is produced prior to modulation. The modulated signal, which may be amplified, is then broadcast via a projector unit, whereupon an individual or group of individuals located in the broadcast region detect the audible sound.

[US Patent 6,052,336 read pdf](#) - [reference page](#)

### **Method of changing a person's behavior**

A method of conditioning a person's unconscious mind in order to effect a desired change in the person's behavior which does not require the services of a trained therapist. Instead the person to be treated views a program of video pictures appearing on a screen. The program as viewed by the person's unconscious mind acts to condition the person's thought patterns in a manner which alters that person's behavior in a positive way.

[US Patent 4,717,343 read pdf](#) - [reference page](#)

### **Hearing device**

A method and apparatus for simulation of hearing in mammals by introduction of a plurality of microwaves into the region of the auditory cortex is shown and described. A microphone is used to transform sound signals into electrical signals which are in turn analyzed and processed to provide controls for generating a plurality of microwave signals at different frequencies. The multi-frequency microwaves are then applied to the brain in the region of the auditory cortex. By this method sounds are perceived by the mammal which are representative of the original sound received by the microphone.

[US Patent 4,858,612 read pdf](#) - [reference page](#)

### **Hearing system**

Sound is induced in the head of a person by radiating the head with microwaves in the range of 100 megahertz to 10,000 megahertz that are modulated with a particular waveform. The waveform consists of frequency modulated bursts. Each burst is made up of ten to twenty uniformly spaced pulses grouped tightly together. The burst width is between 500 nanoseconds and 100 microseconds. The pulse width is in the range of 10 nanoseconds to 1 microsecond. The bursts are frequency modulated by the audio input to create the sensation of hearing in the person whose head is irradiated.

[S Patent 4,877,027 read pdf](#) - [reference page](#)

### **Method and system for altering consciousness**

A system for altering the states of human consciousness involves the simultaneous application of multiple stimuli, preferable sounds, having differing frequencies and wave forms. The relationship between the frequencies of the several stimuli is exhibited by the equation.

[US Patent 5,123,899 read pdf](#) - [US Patent 5,289,438 read pdf](#) - [reference page](#)

### **Silent subliminal presentation system**

A silent communications system in which nonaural carriers, in the very low or very high audio frequency range or in the adjacent ultrasonic frequency spectrum, are amplitude or frequency modulated with the desired intelligence and propagated acoustically or vibrationally, for inducement into the brain, typically through the use of loudspeakers, earphones or piezoelectric transducers. The modulated carriers may be transmitted directly in real time or may be conveniently recorded and stored on mechanical, magnetic or optical media for delayed or repeated transmission to the listener.

[US Patent 5,159,703 read pdf](#) - [reference page](#)

### **Subliminal message generator**

A combined subliminal and supraliminal message generator for use with a television receiver permits complete control of subliminal messages and their manner of presentation. A video synchronization detector enables a video display generator to generate a video message signal corresponding to a received alphanumeric text message in synchronism with a received television signal. A video mixer selects either the received video signal or the video message signal for output. The messages produced by the video message generator are user selectable via a keyboard input. A message memory stores a plurality of alphanumeric text messages specified by user commands for use as subliminal messages. This message memory preferably includes a read only memory storing predetermined sets of alphanumeric text messages directed to differing topics. The sets of predetermined alphanumeric text messages preferably include several positive affirmations directed to the left brain and an equal number of positive affirmations directed to the right brain that are alternately presented subliminally. The left brain messages are presented in a linear text mode, while the right brain messages are presented in a three dimensional perspective mode. The user can control the length and spacing of the subliminal

presentations to accommodate differing conscious thresholds. Alternative embodiments include a combined cable television converter and subliminal message generator, a combine television receiver and subliminal message generator and a computer capable of presenting subliminal messages.

[US Patent 5,270,800 read pdf](#) - [reference page](#)

### **Method and an associated apparatus for remotely determining information as to person's emotional state**

In a method for remotely determining information relating to a person's emotional state, an waveform energy having a predetermined frequency and a predetermined intensity is generated and wirelessly transmitted towards a remotely located subject. Waveform energy emitted from the subject is detected and automatically analyzed to derive information relating to the individual's emotional state. Physiological or physical parameters of blood pressure, pulse rate, pupil size, respiration rate and perspiration level are measured and compared with reference values to provide information utilizable in evaluating interviewee's responses or possibly criminal intent in security sensitive areas.

[US Patent 5,507,291 read pdf](#) - [reference page](#)

### **Ultrasonic speech translator and communications system**

A wireless communication system undetectable by radio frequency methods for converting audio signals, including human voice, to electronic signals in the ultrasonic frequency range, transmitting the ultrasonic signal by way of acoustical pressure waves across a carrier medium, including gases, liquids, or solids, and reconvertng the ultrasonic acoustical pressure waves back to the original audio signal. The ultrasonic speech translator and communication system (20) includes an ultrasonic transmitting device (100) and an ultrasonic receiving device (200). The ultrasonic transmitting device (100) accepts as input (115) an audio signal such as human voice input from a microphone (114) or tape deck. The ultrasonic transmitting device (100) frequency modulates an ultrasonic carrier signal with the audio signal producing a frequency modulated ultrasonic carrier signal, which is transmitted via acoustical pressure waves across a carrier medium such as gases, liquids or solids. The ultrasonic receiving device (200) converts the frequency modulated ultrasonic acoustical pressure waves to a frequency modulated electronic signal, demodulates the audio signal from the ultrasonic carrier signal, and conditions the demodulated audio signal to reproduce the original audio signal at its output (250).

[US patent 5,539,705 read pdf](#) - [reference page](#)

### **Personal tracking and recovery system**

Apparatus for tracking and recovering humans utilizes an implantable transceiver incorporating a power supply and actuation system allowing the unit to remain implanted and functional for years without maintenance. The implanted transmitter may be remotely actuated, or actuated by the implantee. Power for the remote-activated receiver is generated electromechanically through the movement of body muscle. The device is small enough to be implanted in a child, facilitating use as a safeguard against kidnapping, and has a transmission range which also makes it suitable for wilderness sporting activities. A novel biological monitoring feature allows the device to be used to facilitate prompt medical dispatch in the event of heart attack or similar medical emergency. A novel sensation-feedback feature allows the implantee to control and actuate the device with certainty.

[US patent 5,629,678 read pdf](#) - [reference page](#)

### **Intra-oral tracking device**

An intra-oral tracking device adapted for use in association with a tooth having a buccal surface and a lingual surface, the apparatus comprises a tooth mounting member having an inner surface and an outer surface, the inner surface including adhesive material; a remote transmitter-receiver assembly including means to transmit and receive electronic signals, the transmitter-receiver being affixed to the outer surface of the tooth mounting member, the remote transmitter-receiver assembly positioned adjacent to the buccal surface of the tooth; and a base transmitter-receiver device including means to transmit and receive electronic signals, the device including a transmission button and a display screen, in an operative orientation a user depressing the transmission button of the base transmitter-receiver device to activate the remote transmitter-receiver, activation of the remote transmitter-receiver device causing the transmission of electrical signals for receipt by the base transmitter-receiver device, the base transmitter-receiver device thereby displaying the location of the remote transmitter-receiver assembly to enable a user to locate a lost individual.

[US Patent 5,760,692 read pdf](#) - [reference page](#)

### **Method for verifying human identity during electronic sale transactions**

A method is presented for facilitating sales transactions by electronic media. A bar code or a design is tattooed on an individual. Before the sales transaction can be consummated, the tattoo is scanned with a scanner. Characteristics about the scanned tattoo are compared to characteristics about other tattoos stored on a computer database in order to verify the identity of the buyer. Once verified, the seller may be authorized to debit the buyer's electronic bank account in order to consummate the transaction. The seller's electronic bank account may be similarly updated.

[US Patent 5,878,155 read pdf](#) - [reference page](#)

### **Global positioning satellite tracking device**

A global positioning and tracking system for locating one of a person and item of property. The global positioning and tracking system comprises at least one tracking device for connection to the one of the person and item of property including a processing device for determining a location of the tracking device and generating a position signal and a transmitter for transmitting said position signal. The position signal is transmitted to a relay station strategically positioned about a desired monitoring area. The relay station includes a device for receiving the positional signal and determining if the received position signal is a valid signal and a device for relaying the position signal upon determining the position signal is valid to a central monitoring station. The central monitoring station receives the validated positional signal from the relay station and analyzes the position signal for monitoring the position of the tracking device. The system may also include a tracking satellite for receiving the validated position signal from the relay station and re-transmitting the position signal to the central monitoring station when the central monitoring station is located outside the transmission range of the relay station.

[US Patent 5,905,461 read pdf](#) - [reference page](#)

### **Magnetic excitation of sensory resonances**

The invention pertains to influencing the nervous system of a subject by a weak externally applied magnetic field with a frequency near 1/2 Hz. In a range of amplitudes, such fields can excite the 1/2 sensory resonance, which is the physiological effect involved in "rocking the baby". The wave form of the stimulating magnetic field is restricted by conditions on the spectral power density, imposed in order to avoid irritating the brain and the risk of kindling. The method and apparatus can be used by the general public as an aid to relaxation, sleep, or arousal, and clinically for the control of tremors, seizures, and emotional disorders.

[US Patent 5,935,054 read pdf](#) - [reference page](#)

### **Communication system and method including brain wave analysis and/or use of brain activity**

A system and method for enabling human beings to communicate by way of their monitored brain activity. The brain activity of an individual is monitored and transmitted to a remote location (e.g. by satellite). At the remote location, the monitored brain activity is compared with pre-recorded normalized brain activity curves, waveforms, or patterns to determine if a match or substantial match is found. If such a match is found, then the computer at the remote location determines that the individual was attempting to communicate the word, phrase, or thought corresponding to the matched stored normalized signal.

[US Patent 6,011,991 read pdf](#) - [reference page](#)

### **Subliminal acoustic manipulation of nervous systems**

In human subjects, sensory resonances can be excited by subliminal atmospheric acoustic pulses that are tuned to the resonance frequency. The 1/2 Hz sensory resonance affects the autonomic nervous system and may cause relaxation, drowsiness, or sexual excitement, depending on the precise acoustic frequency near 1/2 Hz used. The effects of the 2.5 Hz resonance include slowing of certain cortical processes, sleepiness, and disorientation. For these effects to occur, the acoustic intensity must lie in a certain deeply subliminal range. Suitable apparatus consists of a portable battery-powered source of weak sub audio acoustic radiation. The method and apparatus can be used by the general public as an aid to relaxation, sleep, or sexual arousal, and clinically for the control and perhaps treatment of insomnia, tremors, epileptic seizures, and anxiety disorders. There is further application as a nonlethal weapon that can be used in law enforcement standoff situations, for causing drowsiness and disorientation in targeted subjects. It is then preferable to use venting acoustic monopoles in the form of a device that inhales and exhales air with sub audio frequency.

[US Patent 6,017,302 read pdf](#) - [reference page](#)