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Electrostatic Therapy Patents

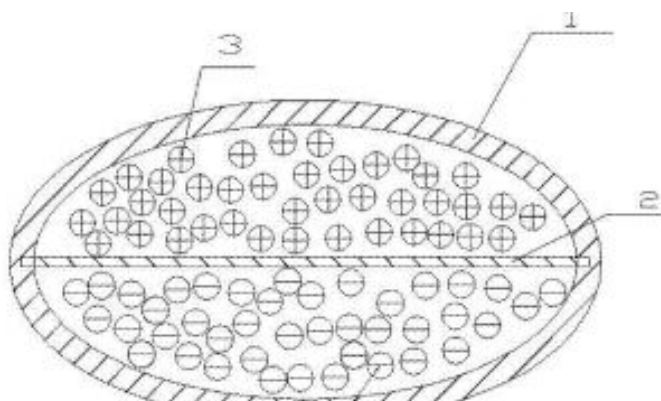
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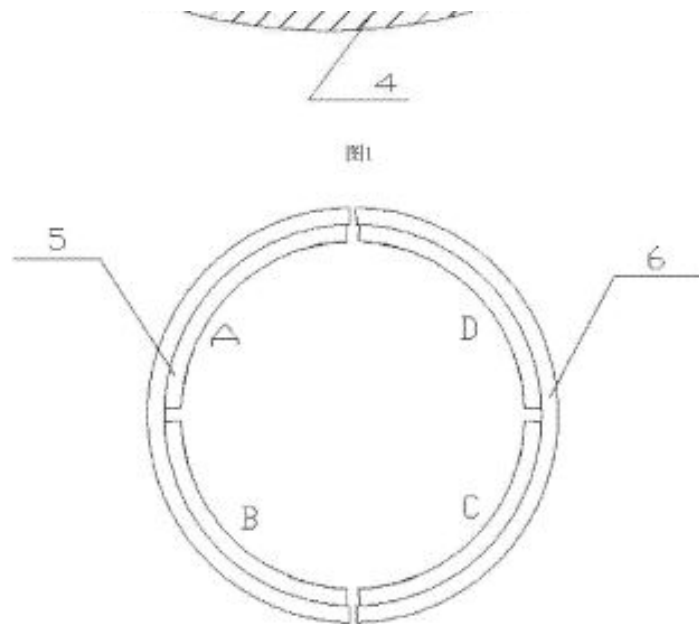
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CN105596054

Device for removing vascular thrombus based on electrostatic fields

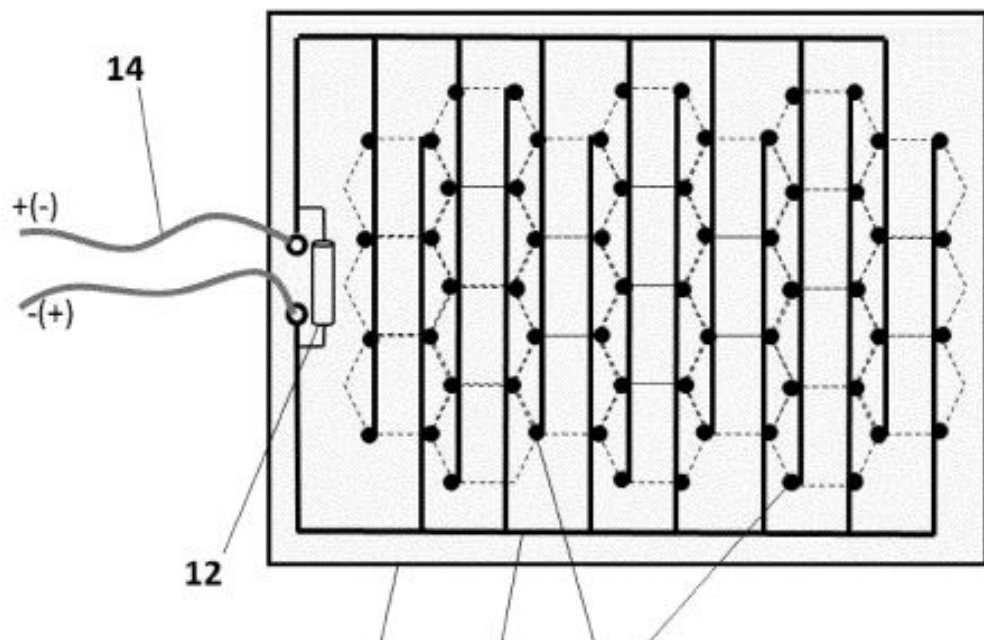
The invention discloses a device for removing vascular thrombus based on electrostatic fields. The device comprises charged particles, an external driving electrostatic field unit and a driving circuit. The charged particles are injected into blood vessels and include the positive-charge particles and the negative-charge particles. The external driving electrostatic field unit has N sets of electrodes. At least two paired electrodes are arranged in each set. The electrostatic fields for driving the charged particles to penetrate through thrombus are formed between the positive electrodes and the negative electrodes in the paired electrodes after the positive electrodes and the negative electrodes are powered on. The driving circuit periodically changes the directions of the electrostatic fields between the paired electrodes. According to the device, the charged particles are driven by the electrostatic fields to remove thrombus in an impacting mode, the successful rate for forming an initial small path is increased, and risks of an interventional therapy method are reduced.





WO2016000075
SYSTEM AND METHOD FOR INCREASING THE LENGTH OF TELOMERES

A device, method and system for the microwave resonance therapy of the chromosomes, telomeres and DNA, and extending the length of telomeres, by generating a wide and uniformly distributed spectrum of electromagnetic frequencies and ultrasound vibrations that induce electromagnetic and ultrasonic resonance in chromosomes and telomeres, and electromagnetic resonance in DNA. A plurality of sharp conductive pins mounted on the surface of a board, excited by sharp and short alternating electric pulses, create complex electrostatic fields that excite a mass of piezoelectric crystal grains, having a wide and uniform distribution of size, filling the space around the pins. Also, a wide band electromagnetic oscillator for DNA resonance is disclosed. One embodiment of an applied system is presented, with a plurality of telomeric resonators embedded in a blanket or pad, and the driving apparatus.



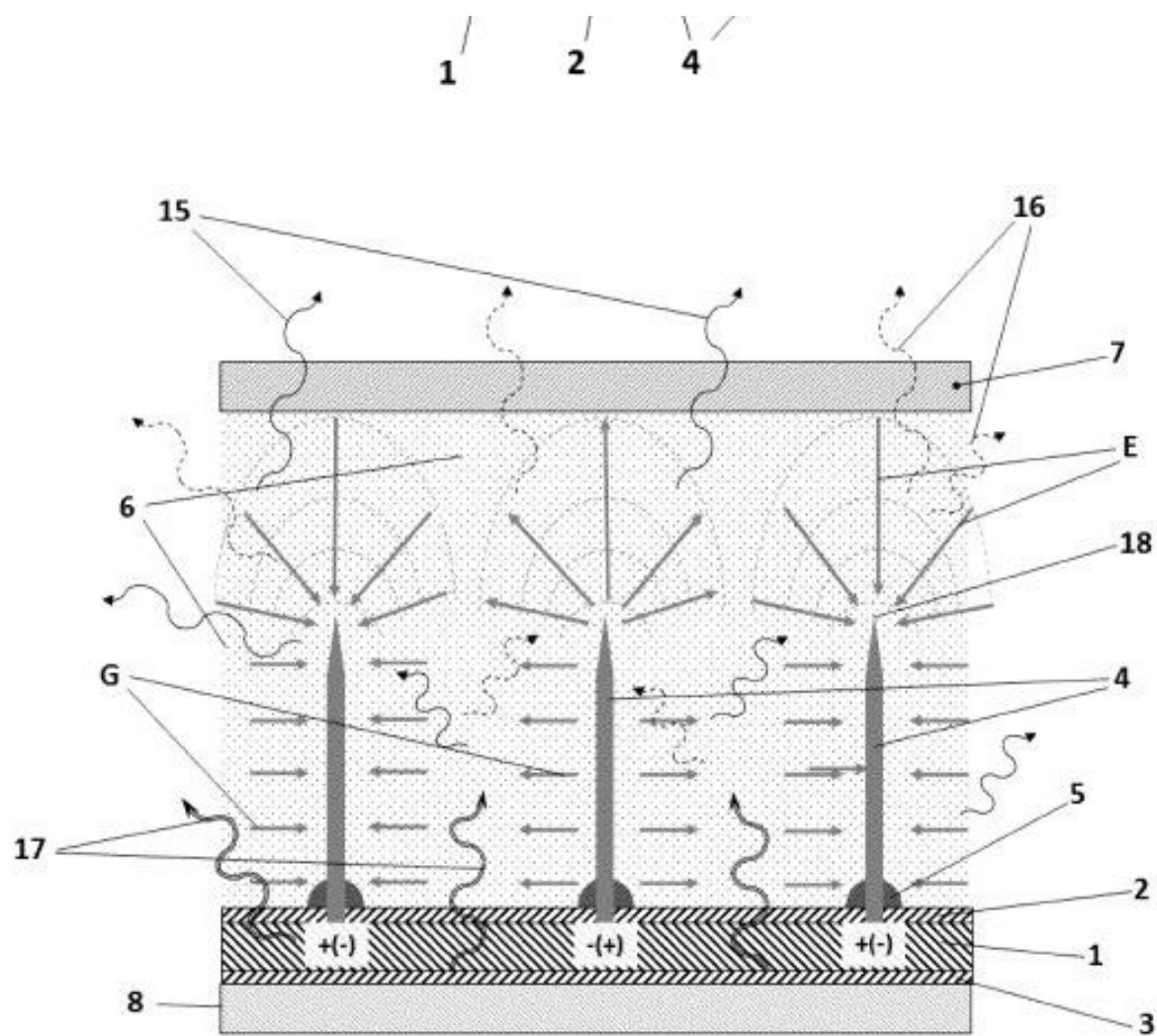
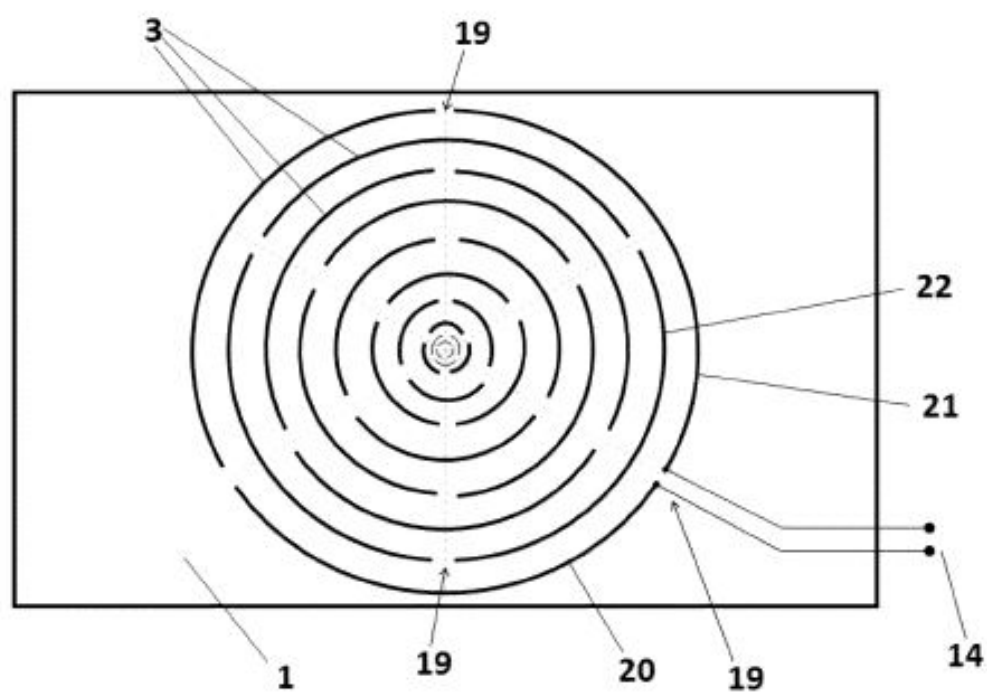


FIG. 5



Intelligent blood pressure and blood lipid high-voltage electrostatic therapeutic machine

The utility model relates to an intelligent blood pressure and blood lipid high-voltage electrostatic therapeutic machine and belongs to the medical apparatus and instrument technical field. According to the technical scheme of the utility model, the intelligent blood pressure and blood lipid high-voltage electrostatic therapeutic machine comprises a voltage regulator and a therapy controller. The intelligent blood pressure and blood lipid high-voltage electrostatic therapeutic machine is characterized in that the front side of the voltage regulator is provided with a voltage display disc; the lower side of the voltage display disc is provided with a voltage pointer; the right side of the voltage display disc is provided with a voltage adjusting knob; an adjusting dial is arranged behind the voltage adjusting knob; the right side of the adjusting dial is provided with a transmission line interface; and the right side of the voltage regulator is provided with a power source output port. The intelligent blood pressure and blood lipid high-voltage electrostatic therapeutic machine of the utility model has the advantages of simple structure, convenient use as well as being safe, effective, convenient, quick, simple operation, time-saving and labor-saving properties in the therapy of patients with diseases such as high blood pressure and hyperlipaemia, and can greatly reduce the work difficulty of medical staff.

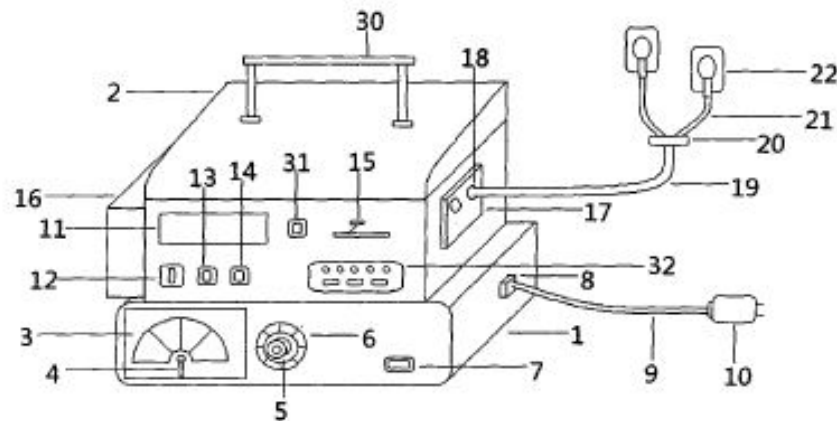


图 1

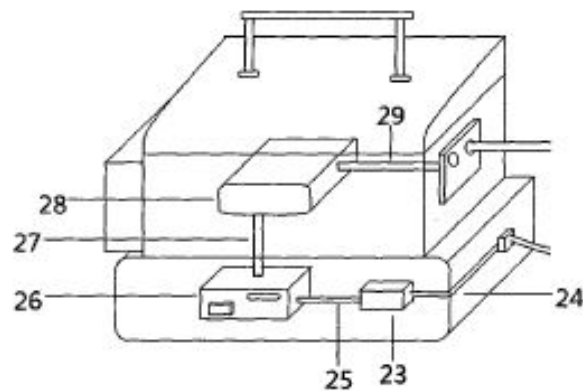
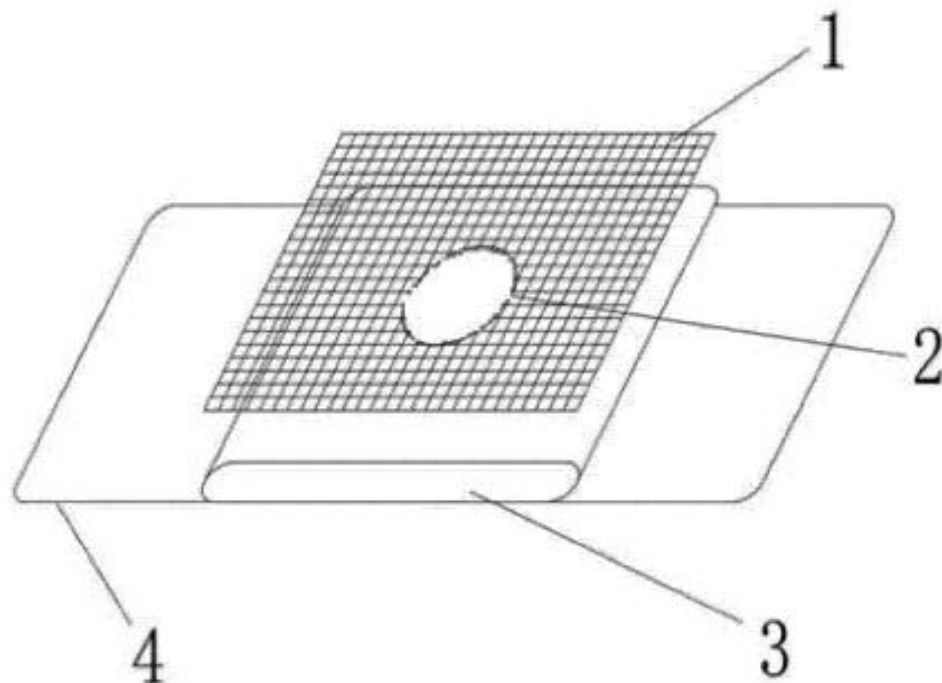


图 2

CN204106303

Self-heating electrostatic physical therapy patch

The utility model discloses a self-heating electrostatic physical therapy patch, and relates to a medical auxiliary device, in particular to a self-heating physical therapy patch. The self-heating electrostatic physical therapy patch comprises a polylactic acid cloth layer (1), a treatment plate (2), a self-heating layer (3) and an electrostatic patch (4), wherein the polylactic acid cloth layer (1) is stuck to the heating surface of the self-heating layer (3); the treatment plate (2) is arranged between the polylactic acid cloth layer (1) and the heating surface of the self-heating layer (3); the electrostatic patch (4) is stuck to the outer surface of the heating layer; the area of the electrostatic patch (4) is greater than the area of the polylactic acid cloth layer (1). The self-heating electrostatic physical therapy patch has self-heating and electrostatic physical therapy functions simultaneously, so that the treatment effect is enhanced, and pain of a patient is reduced; meanwhile, the cost is reduced, the discharge amount of medical waste is effectively reduced, and good economical benefit and social benefit are achieved.

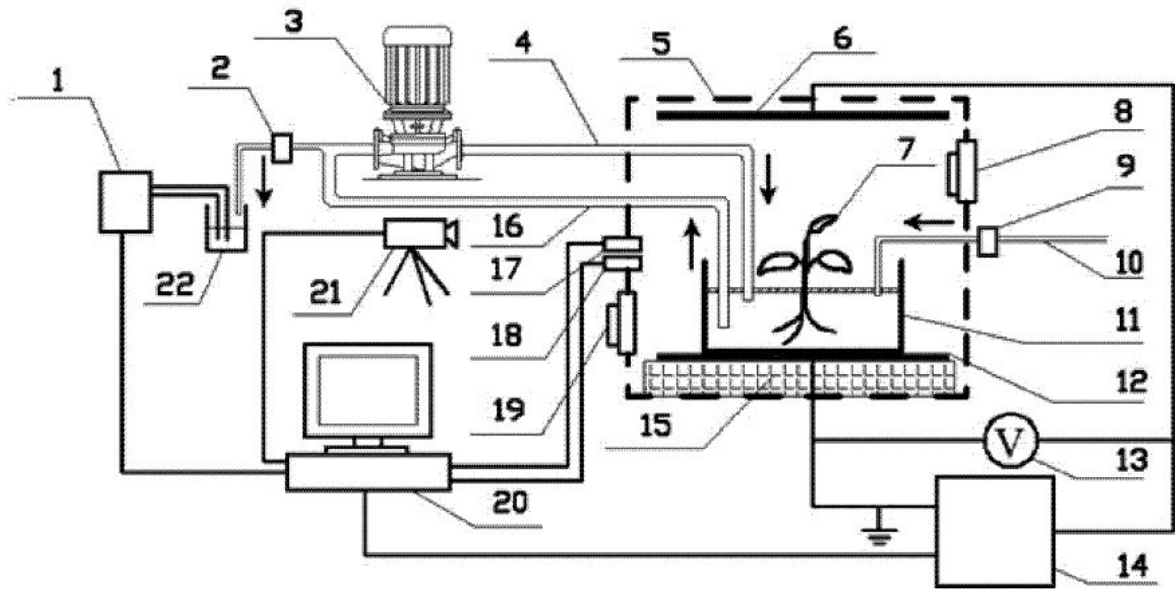


CN104106386

Plant physical therapy device based on high-voltage electrostatic field

The invention discloses a plant physical therapy device based on a high-voltage electrostatic field. The device is mainly composed of an upper flow water pipe, a backflow water pipe, a nutrient solution supplementing pipe, an electromagnetic valve, a pump, an electrostatic shielding cover, a positive electrode plate, a negative electrode plate, a pair of fans, a culturing groove, a high voltage generator, a temperature and humidity sensor, an illumination intensity sensor, a computer control terminal, an optical sensor, an ion concentration sensor, a pH sensor and a measuring cup. Through providing appropriate illumination, temperature, humidity and the electrostatic field environment for plant growth,

nutrient absorption and luminous energy utilization of a plant are promoted to the greatest degree, so that plant growth and development are promoted, and the physiological properties of the plant are optimized. Accurate fertilization and fertilization according to needs can be achieved, the usage amount of fertilizers can be reduced, and the utilization rate of the fertilizers can be increased; the plant physical therapy device has an electrostatic pest-killing function, and pesticide pollution can be eliminated. The plant physical therapy device can be applied to scientific research on yield increasing of pollution-free crops and practical production of the pollution-free crops.



CN203400410

Far-infrared electrostatic magnetic-therapy capsule

The utility model discloses a far-infrared electrostatic magnetic-therapy capsule. A far-infrared ray, an electrostatic field and a magnetic field are used for effectively curing the common and frequently-occurring diseases of stomachs and intestines, and used for the health care of a digestive system. The far-infrared electrostatic magnetic-therapy capsule consists of a far-infrared electrostatic capsule housing and a magnetic-therapy core. The capsule housing consists of two parts: A and B. The part A of the capsule housing is prepared by far-infrared materials, and the part B of the capsule housing is prepared by electrostatic materials. The capsule magnetic-therapy core is disposed inside the capsule housing. According to the utility model, the treatment technology in the digestive system is carried out through employing the far-infrared ray, the electrostatic field and the magnetic field. The far-infrared electrostatic magnetic-therapy capsule can achieve physical treatment, has no side effects, is good in curative effect, is highly effective, and is high in safety. The far-infrared electrostatic magnetic-therapy capsule solves the problem that conventional far-infrared ray, electrostatic field and magnetic field therapeutic apparatus only can carry out external exposure or radiation, and cannot carry out direct treatment for the digestive system, thereby greatly improving the treatment effect, and achieving the breakthrough of the treatment technology of the far-infrared ray, the electrostatic field and the magnetic field.

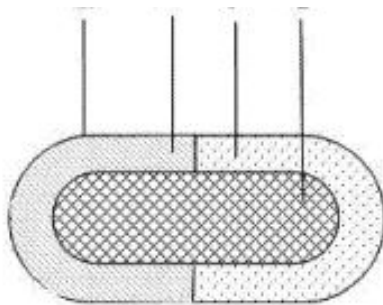
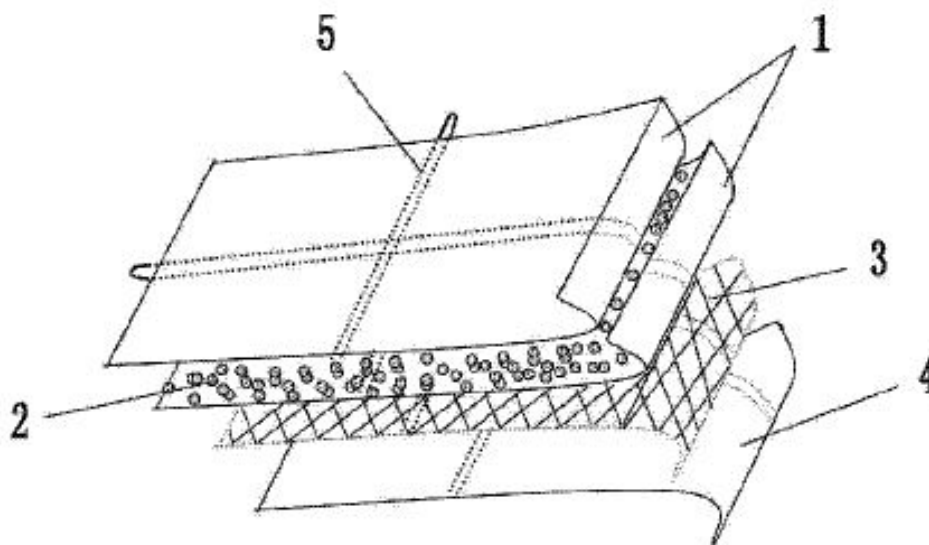


图 1

CN102895737

Electret electrostatic magnetic therapy film

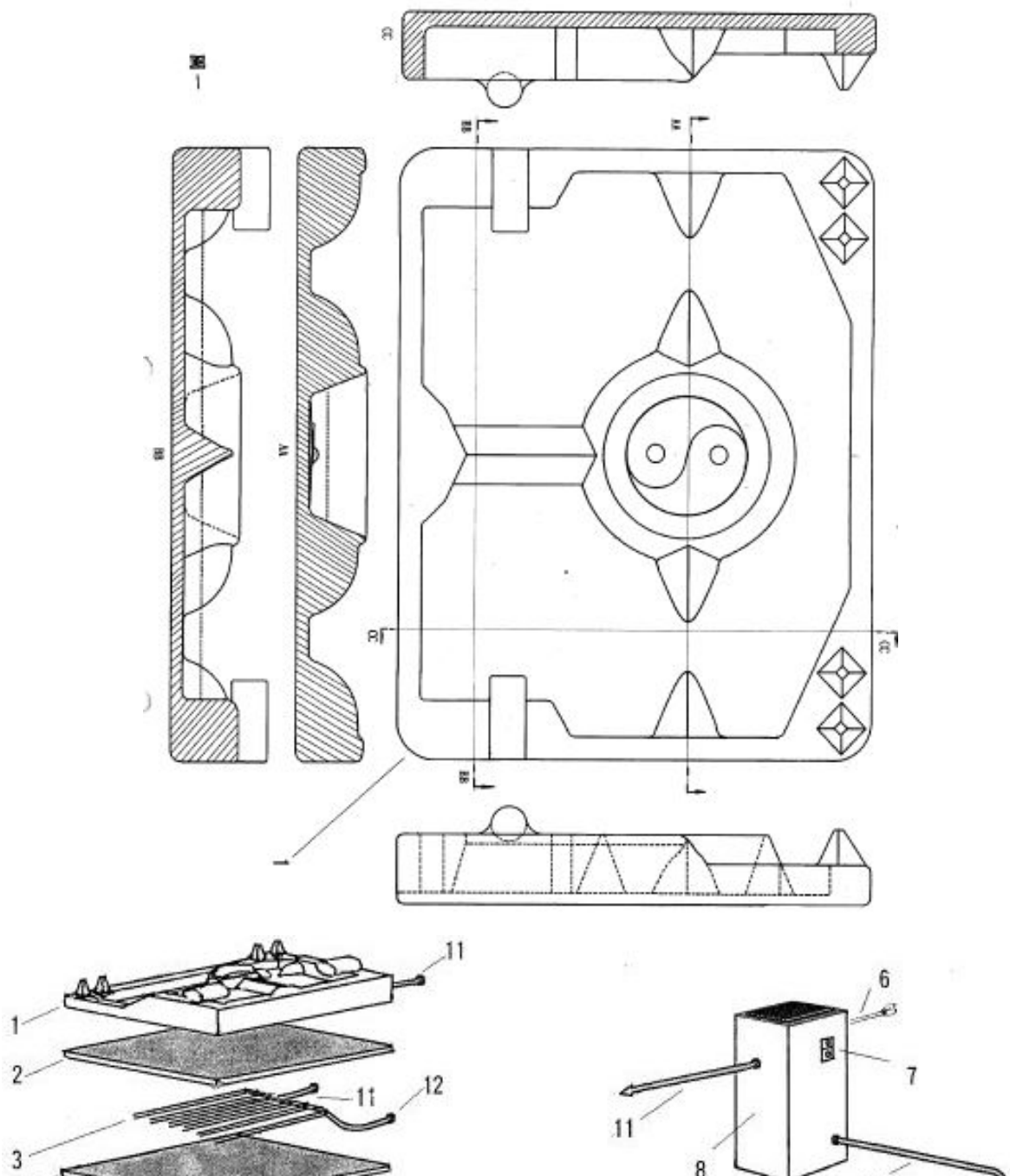
The invention discloses an electret electrostatic magnetic therapy film, which consists of electret electrostatic films, magnetic particles and a protective layer. The electret electrostatic magnetic therapy film is characterized in that fluoroplastic is processed and refined into a micropore film material, and the micropore film material is processed into the standard electret electrostatic films; a permanent magnetic material is processed into the magnetic particles, and the magnetic particles are arranged between the two electret electrostatic films and thermally pressed with the two electret electrostatic films into a whole; and a breathable medical sizing material is arranged on the film, the protective layer is arranged on the sizing material surface, and a tearing line is arranged on each electret electrostatic film. The electret electrostatic magnetic therapy film has a predominant treatment effect and a good rehabilitation effect on bone fracture, cosmetic surgery recovery, joint pain, aseptic inflammation of bone joints and soft tissues by matched therapy of electrostatic field and magnetic therapy, and is a high-technology medical product.



TW201306821

Electrostatic field foot reflexology healthcare instrument

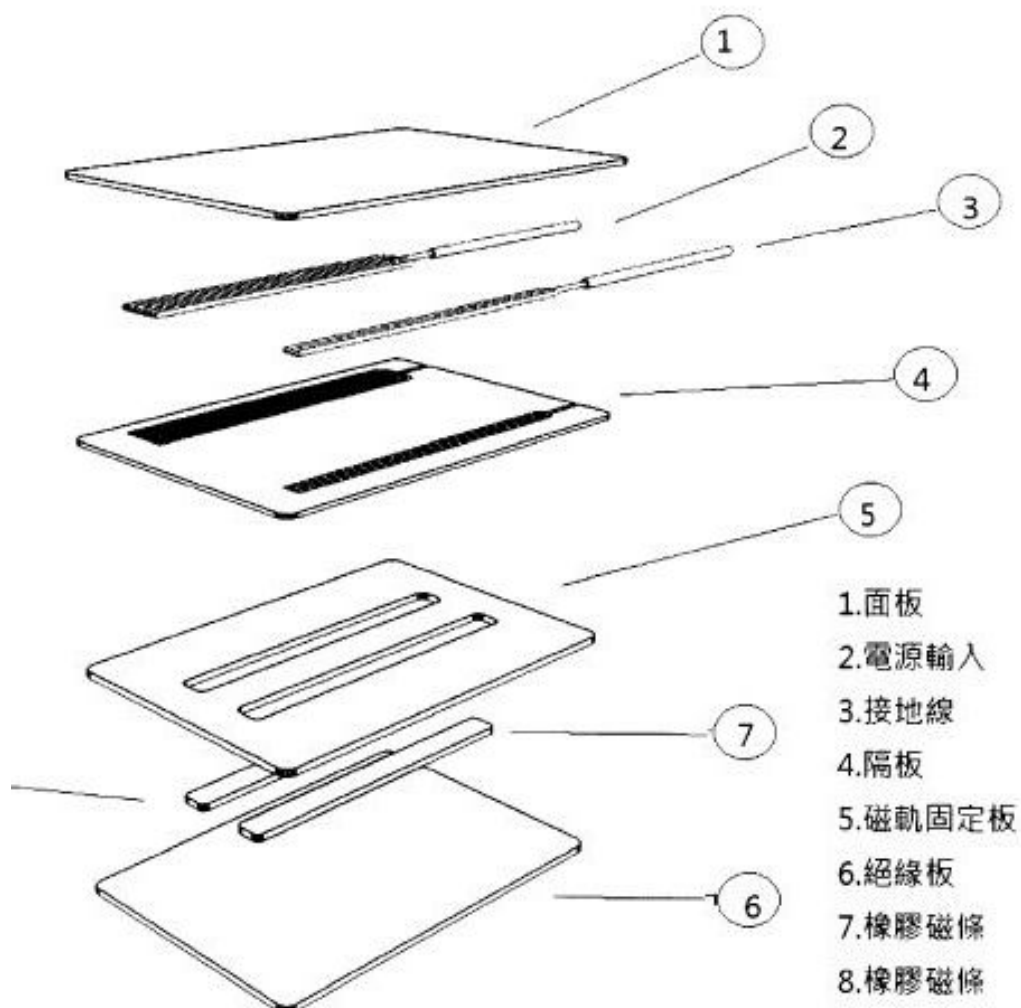
Self-healthcare foot massage pedaling board is successfully developed for enhancing the healthcare effect of foot reflexotherapy and promoting this self-healthcare method by incorporating fundamental theories of foot reflexotherapy and electrostatic field therapy to increase the user's willingness. In addition to the material used for the surface thereof being changed into stainless metal, advanced design of the pedal bumps thereof is also adopted. This invention is also designed in accordance to the needs of the user who is overweight or lack of physical strength, or unable to stand due to illness, allowing the user to stampede while sitting or lying instead of standing. Therefore, this invention is more comfortable in use, the pedaling force is much easier to control, and the material thereof is more reliable, beautiful, and durable. With the electrostatic field being cooperated with high-voltage micro-current, the disclosed instrument can fully play its healthcare function. Furthermore, its panel is quite beautiful besides practical functions, having streamlined aesthetic feeling and sense of value coming from metal, so as to increase the use probability. As a well-known concept of blood circulation, improving the blood circulation can ameliorate the blood circulation of whole body.

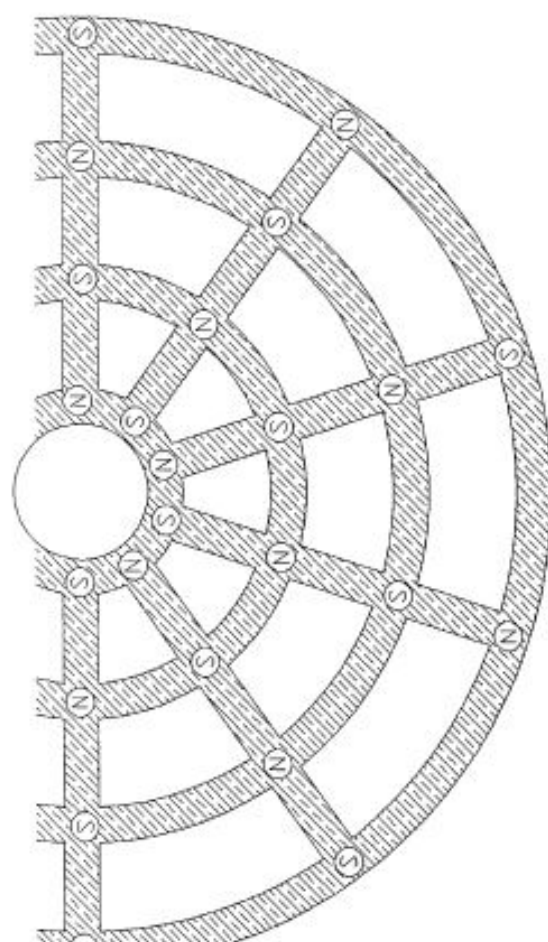
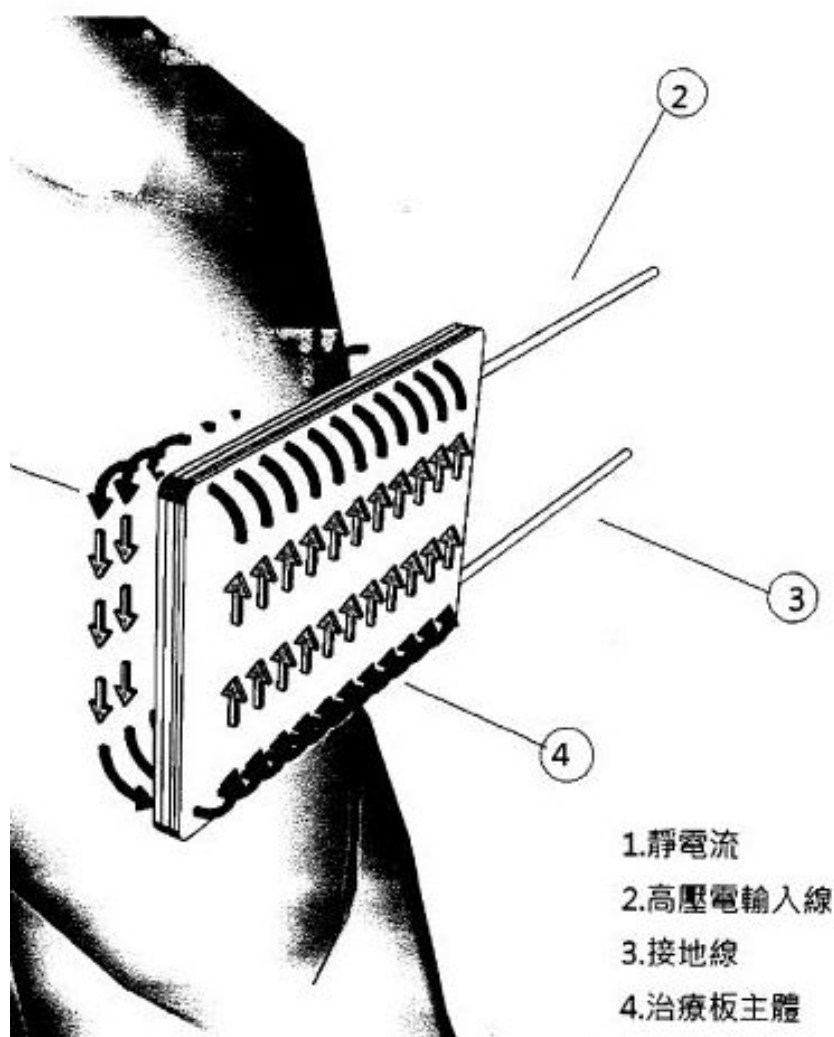




TW201306898 Electrostatic current treatment instrument

Regarding pathology of Traditional Chinese Medicine, the coordination of vital essence, qi, and mind is treated as the main guiding principle, especially in the respect of qi (so-called energy for the western natural medical scholars). When applying drug or non-drug therapy to the human body dysfunction, qi is attributed to be the effect. Thanks for the help of western science that the so-called qi can be measured with instrument by a lot of scholars doing research on qi. A portion of qi relatively close to material (there is also a portion relatively close to spirit) is composed of several kinds of micro-energy (Infrared, negative ion current, magnetic wave, etc.), which makes using instrument of qi can be a possible hope for treating illness. There are already so-called Qigong machine in the market; however, the treating mechanism and the application scope thereof are still quite limited. Inspired by chance, this inventor finds a more complete theory regarding this aspect, and manufactures an instrument, electrostatic current treatment instrument which really can use qi to treat illness, to share with everyone.

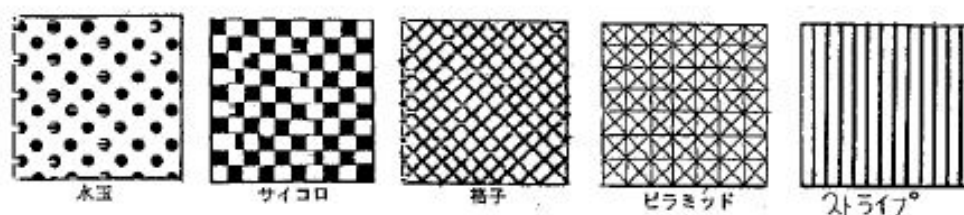




JP2001029482
**NEGATIVE ELECTROSTATIC CHARGED SHEET FOR PREVENTION OF
INCONTINENCE...**

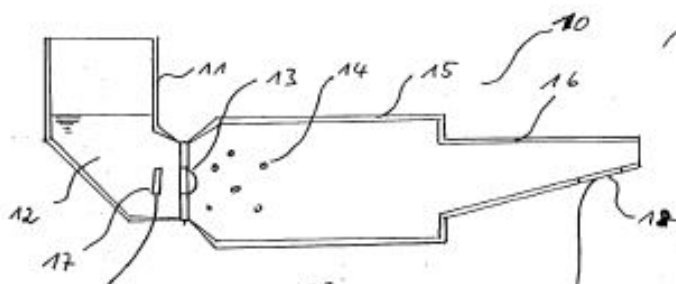
PROBLEM TO BE SOLVED: To apply a negative charged sheet to the prevention of incontinence or sensitivity to the cold. SOLUTION: This negative charged sheet for use in transcutaneous electric analgesic therapy has its negative charged surface (surface of the negative charged sheet in intimate contact with the skin) intimately and fixedly contacted with the skin of the abdominal region, the lower back or the thigh to promote blood flow in that part to produce the effect of preventing incontinence or sensitivity to the cold. An adhesive is applied in a pattern to the back face of the negative charged sheet so as to prevent the negative potential from being greatly lost and to assure the adhesiveness of the negatively charged surface to the skin. Also, the adhesiveness of the negative charged sheet to the skin can be assured approximately completely even on skin surfaces of bending or stretching parts of the body.

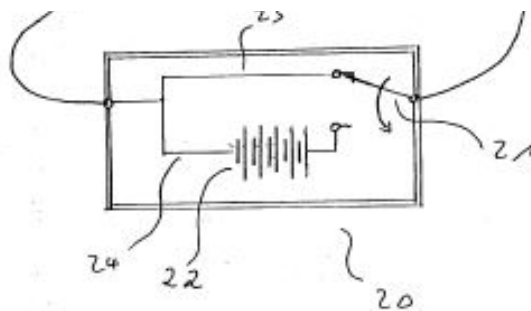
【図1】



US2006048772
Inhalation therapy device

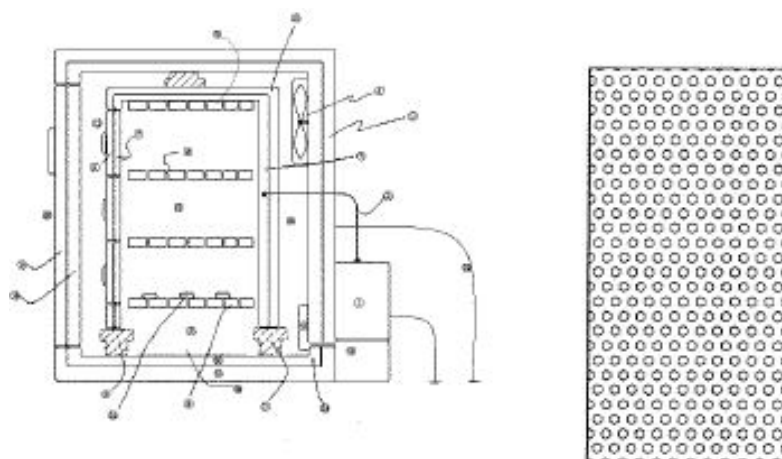
An inhalation therapy device for providing a medicament in the form of an aerosol for inhalation, said device comprising a storage means for a medicament, which enables an improved deposition of medicament droplets in the respiratory tract of a patient. The inhalation therapy device comprises a first electric contact means which is in contact with the medicament and a second electric contact means which is in contact with the patient, wherein by applying a voltage it is possible to cause an electrostatic charge between the medicament and the patient, which leads to an improved deposition of the medicament in the respiratory tract of a patient.





JP2006217832
APPARATUS FOR PRESERVING CELL OR THE LIKE

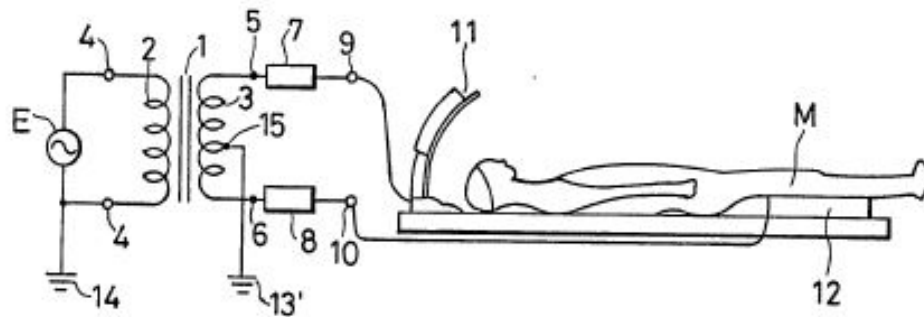
PROBLEM TO BE SOLVED: To provide an apparatus for preserving a microorganism or an animal-derived material. ;**SOLUTION:** The apparatus for preserving an animal organ, its minced product or cell (hereinafter referred to as a cell or the like) is equipped with an electrostatic field generator and a cooler. The apparatus for preserving a cell or the like has functions in which a section for preserving a cell or the like is distinguished from a cooling section, at least the section for preserving a cell or the like is in an electrostatic field atmosphere and the section for preserving a cell or the like is cooled by air convection caused by temperature difference between the section for preserving a cell or the like and the cooling section. The apparatus preserves a microorganism or an animal (including human)-derived material without freezing even at -12 to -1[deg.]C at which the microorganism or the animal-derived material is frozen if the section preserving a cell or the like is not in a electrostatic field atmosphere. The apparatus is useful for preserving an organ, internal organ, tissue, cell, blood preparation, purified protein, recombinant protein, cultured cell, cultured tissue, etc., especially in a transplantation field, regenerative medical care field, basic research field, gene therapy field, clinical examination field, medicine manufacture/reagent field, etc.



GB2164563
ELECTROSTATIC THERAPY APPARATUS

Electrodes are connected to a pair of output terminals such that an appropriate intermediate point between the output terminals is connected, as a voltage point, to the earth, whereby each of the electrodes is constructed so as to make withstand voltage to ground small, and

that electric potential difference between the electrodes can be made large.



FR2306713

Bioelectric polarisation therapy equipment - having electrostatic and electrodynamic systems each with a pair of electrode foils

The bioelectric polarisation therapy equipment is used to help knit bones after fractures and to help fight bone infections by preventing microbe growth. The equipment comprises two systems, an electro-static one and an electrodynamic one, each system containing a set of electrodes (1, 2) who are shaped as metal foils or laminars covering other malleable material. In the electro-static system each of the electrodes (1, 2) in the pair has a potential different from the other one in the pair whilst the electrodynamic system is fed by a DC source (3) and has a pair of electrodes (1, 2) one of which is positively poled and the other negatively poled. They are coupled over a voltmeter (4) a microammeter (5) and a potentiometer (6).

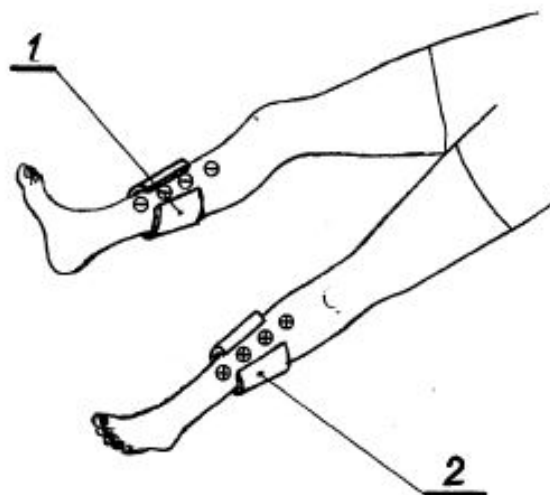
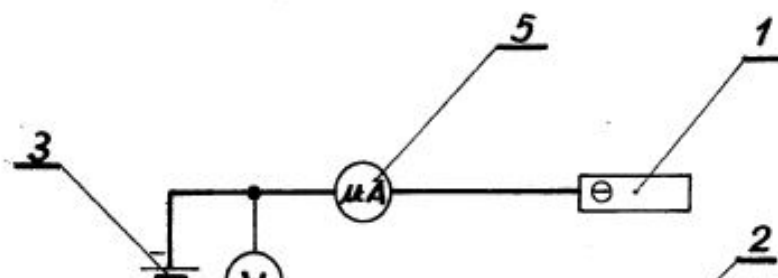


Fig.1



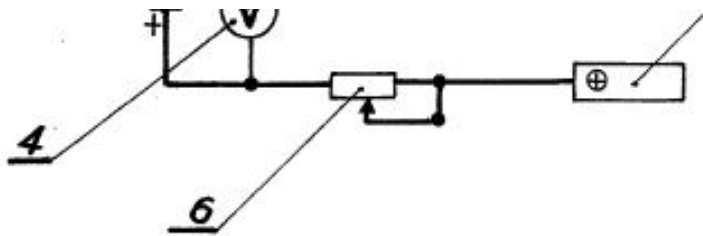


Fig. 2

CN1153071

Qigong body-building therapy apparatus and appliance

A Qigong apparatus for building-up body and curing diseases, as well as helping to culture other living things (animals or plants) is composed of static arm, static finger and static screen made of major and trace elements for simulating human ion-polar electric field, as well as infrared heating part. It can generate electrostatic field force and Qigong energy acting on human body locally or remotely.

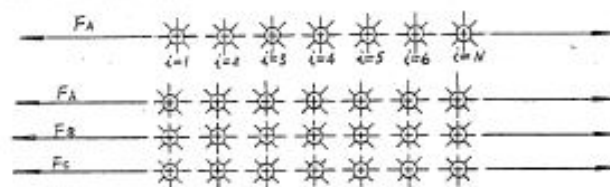


图 1

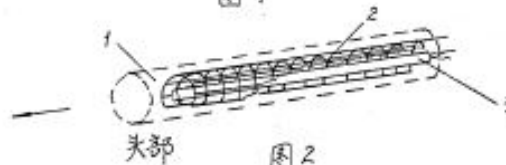


图 2

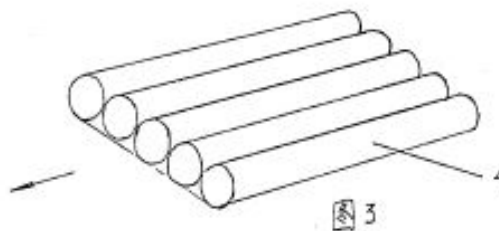


图 3

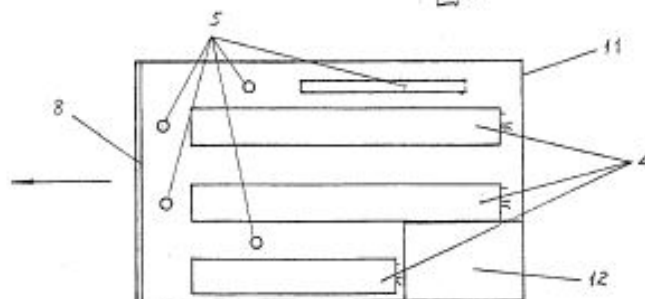
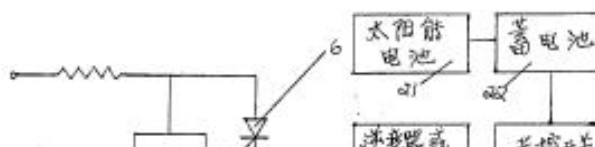
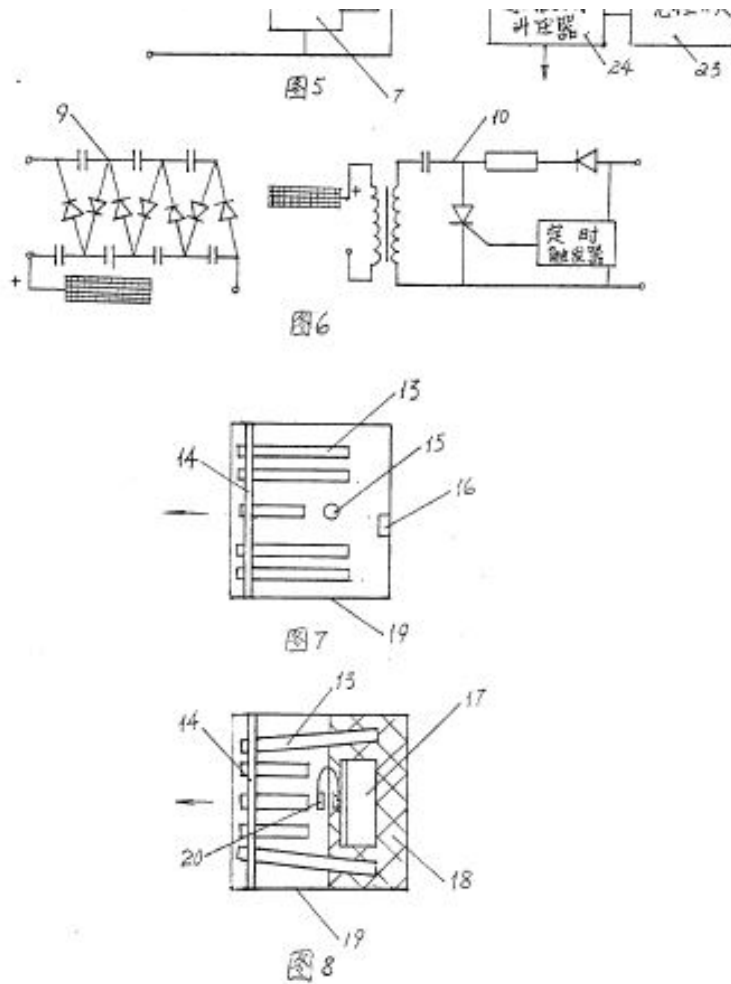


图 4

- 1 -



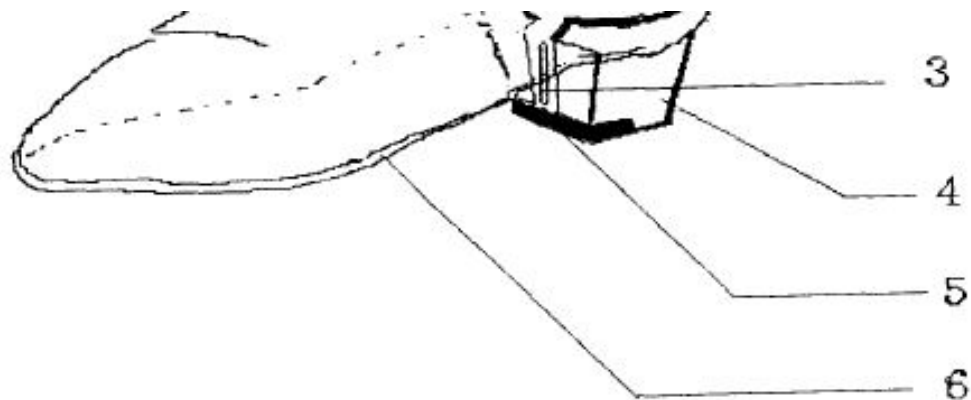


CN2174873

Static electricity health-care shoes

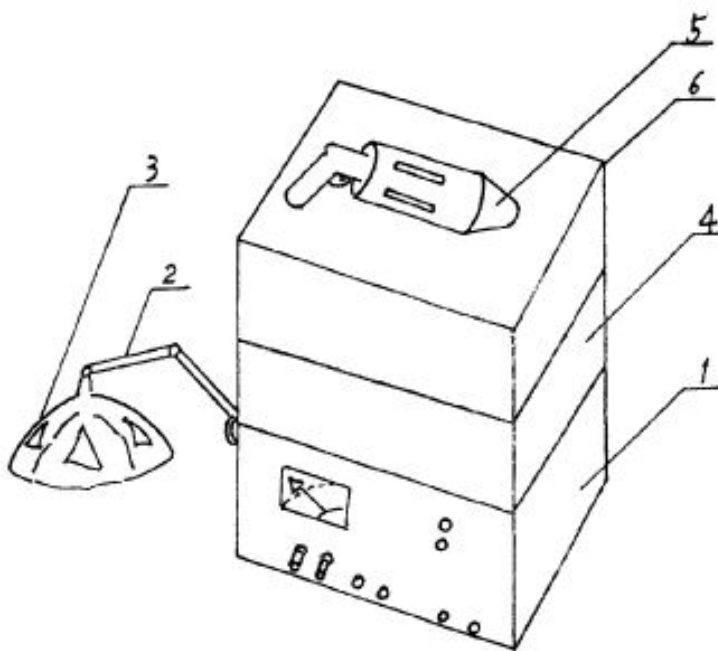
The utility model provides a pair of antistatic healthful shoes, and each shoe is composed of a shoe body, a sole, and a heel. Each shoe is characterized in that the inside and outside of the heel are respectively provided with conductive bodies (2) and (5) which are connected through micro safety wire. The conductive body (2) is directly contacted with the heel, static electricity on a human body can be conducted to earth through the inside and outside conductive bodies, and electrostatic hazard to the human body is avoided. In addition, the inside conductive body (2) can be made of soft conductive body or cupreous conductive body, thus the human body's skin can better absorb copper element, and rheumatic arthritic patients are benefited to get effective health care and therapy. The utility model has the advantages of simple structure, easy application, low cost, capability of effectively prevent electrostatic hazard for human health, etc.





CN87203190
ELECTROSTATIC MAGNETO-OPTICAL CURING MACHINE

The utility model relates to a medical application electrostatic magneto-optical medical treatment machine which is composed of a high-pressure electrostatic device (1), an insulating rod (2), an electric corona umbrella (3), a magnet therapy device (4), a luminous therapy appliance (5) and a machine bracket frame (6). The utility model is mainly characterized in that the utility model makes use of the matching principle of a high-pressure electrostatic field, negative oxygen ion, a magnetic field and light to generate different magnetic quantity, luminous quantity and electric field quantity, and the quantity which is selected is different on the basis of the treatment of different diseases. The utility model can carry out treatment towards all kinds of diseases of a human body, tumors, etc., and the effect is quick and obvious. The utility model which is an ideal medical application therapeutic apparatus can also be applied to animal disease treatment.



CN86103803
THERAPEUTIC EQUIPMENT USING ELECTROSTATIC FIELD

The therapeutic equipment using electrostatic field consists of a power supply, an oscillator, a piezoelectric transformer, a rectification circuit and a pair of output electrodes insulated from the environment. The said equipment can provide a successively adjustable DC voltage in the range of 100-5,000V which may induces a local electrostatic field in a specific location of a human body or an animal body so as to cure the injury in bone and soft tissue at-the said location. By the different design of the output electrodes, it may be used as orthopaedic splints or surgical bandages. Because of the small size, the possibility of being battery-powered, the wide range of output voltage and the small output current, it is easy to operate, safe, convenient for being combined with athletic therapy to cure a injury and to carry on a functional training.

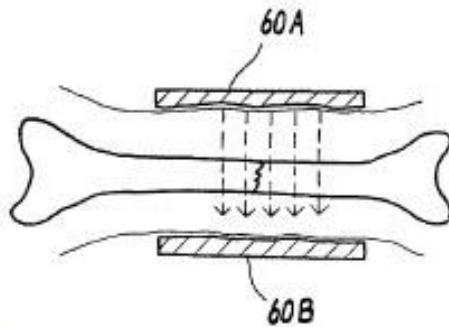


图. 4 A

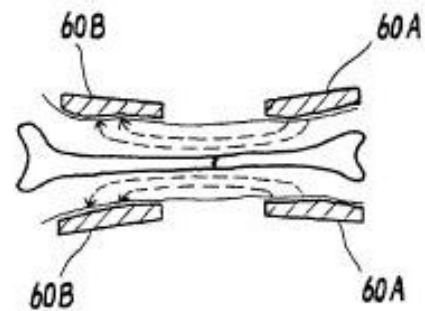


图. 4 B

CN2507279

Massage ventilating and electrostatic release health shoes

The utility model relates to a pair of multi-functional physical therapy health shoes, which integrates magnetism and elasticity massage, static electricity scattering and internal recycle expulsion into a body, and which is characterized in that a plurality of electric conductor massage poles of different height are arranged on the middle sole of the shoe sole, a automatic massage device with a magnetic patch and an elastomer is arranged in the cave of each electric conductor massage pole, a expulsion device that is arranged on the electric conductor massage pole can move up and down along a cylinder that is arranged on the outer ring of the electric conductor massage pole, and a static electricity persuasion device that is arranged on the bottom face of the back heel of the shoe is connected with every electric conductor massage pole via electric wires. When the user is walking, every massage pole supplies automatic massage stimulation to the soles of the feet, expulses the foul air in the shoe, and scatters the electric charge for preventing the harm from the static electricity, thereby achieving the health efficiency.

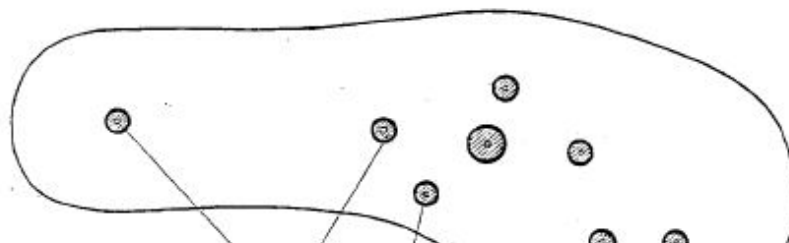




图 一

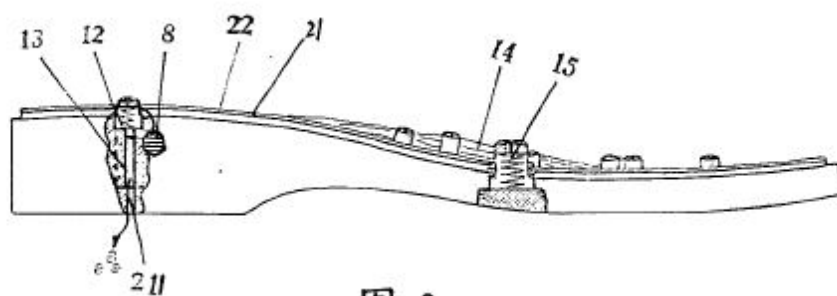
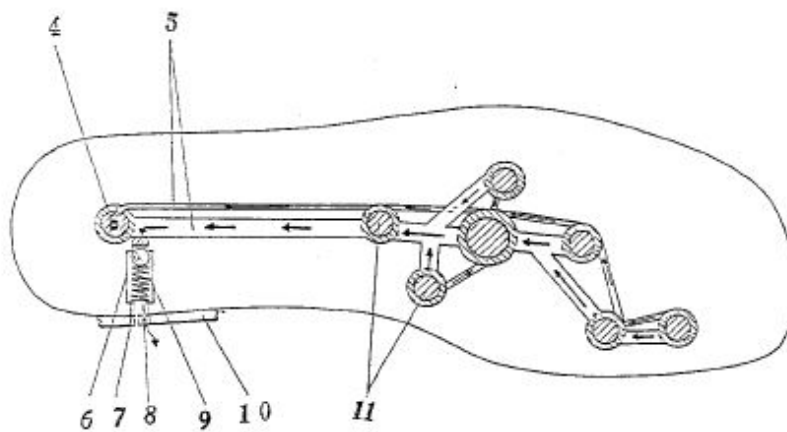


图 3

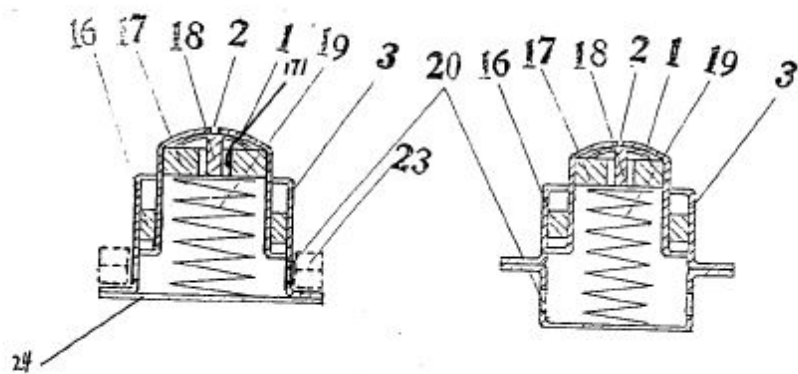


图 4

The present invention provides a non-invasive body contacting device (2) for effecting electrostatic therapy to selected points of the body. The device (2) comprises a first electrical current conductive pin-like element (8) and at least one further current conductive member (6) disposed in proximity to the element (8). At least the body facing surfaces of the element (8) and the member (6) are provided with current insulating material (10) and wherein the element (8) and the member (6) are provided with means (12-18) connectable to a low power source (30).

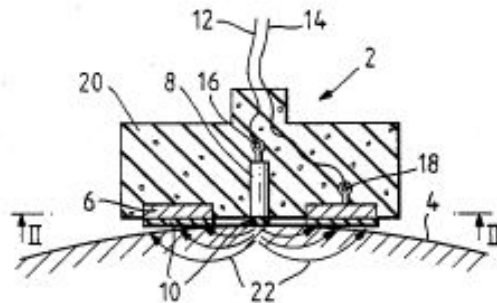


Fig. 3.

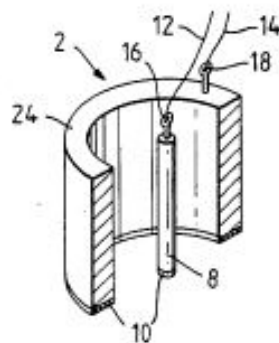


Fig. 4.

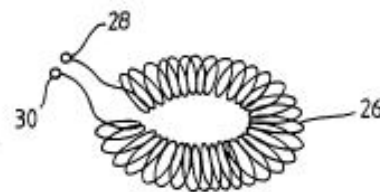
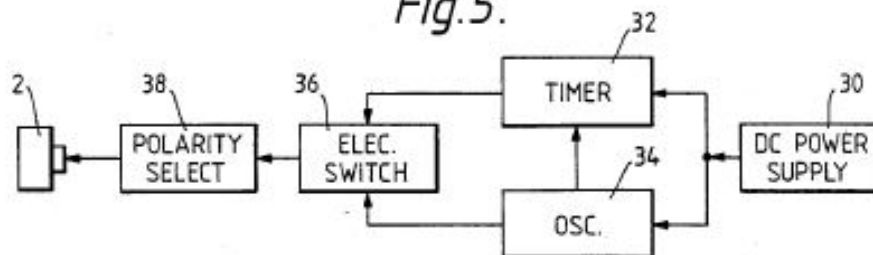


Fig. 5.

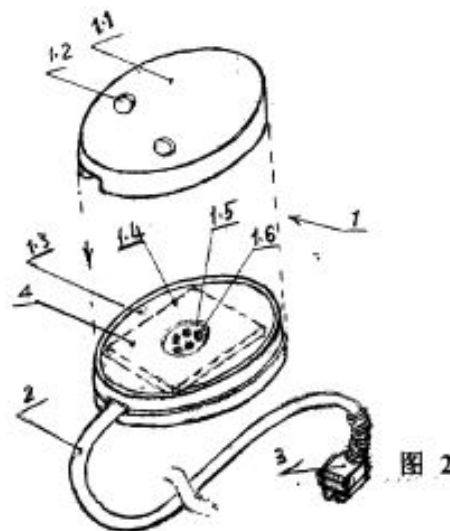
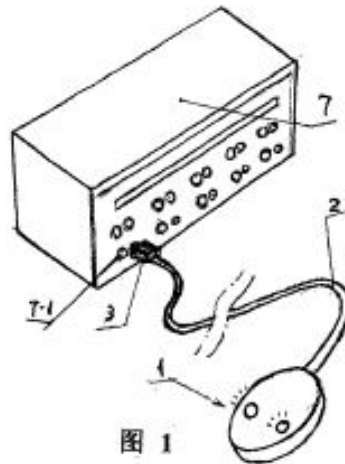


CN2805809

Electrostatic induction device convenient for therapy

The utility model relates to an electrostatic induction device convenient for therapy, which belongs to the medical care device. The utility model comprises a feeding head connected with an electrostatic field therapeutic device and a feed connection conductor, wherein the other end head of the feed connection conductor is connected with a terminal pole sheet of the electrostatic induction device; the terminal pole sheet comprises an upper cover with indication holes, a supporting circuit board and a lower cover, and the center at the bottom of the lower cover is provided with a through hole; the circuit board is clamped and placed in a

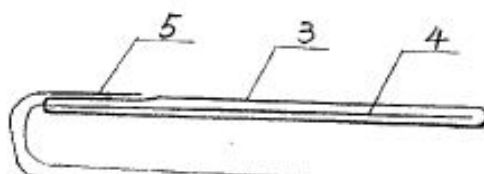
square groove which is arranged on the lower cover; a micro hole glass sheet is placed in the position provided with the through hole on the center of the bottom. The electrostatic induction device convenient for therapy has the advantages of wide therapy ranges, convenient regulation and control, no trauma and side effect during the process of therapy and the avoidance of pain and infection.

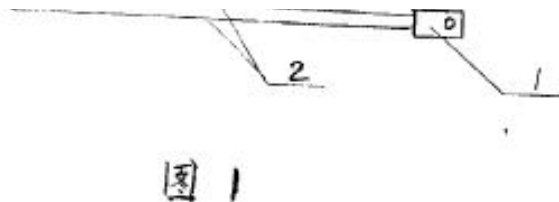


CN1262135

Medical scraping device using electrostatic helical magnetic field

An electromagnetotherapeutic apparatus integrating magnetotherapy, electrostatic therapy, scraping treatment, massage and electromagnetic oscillation in physiological frequency is disclosed. The magnetic induction strength as high as possible, high oscillation amplitude and space helical magnetic field are used to treat functional disease and kill virus and bacteria. Its advantages is unique curative effect.





CN1267558

Household electrostatic physiotherapeutic mattress

The mattress as one household medical health article is manufactured based on the principle of low voltage electrostatic field therapy. The mattress can relieve fatigue and improve body's function while normal sleep and makes it possible to raise working and study efficiency. The mattress of the present invention is especially suitable for household health care and preventing diseases.

EA200000498

METHOD OF COMPLEX MEDICAL AND HEALTH-IMPROVING EFFECT ON A HUMAN ORGANISM

A method of a complex medical and health-improving effect on a human organism comprising applying an electrical field with simultaneous using an electrostatic negative potential on a patient, characterized in that said steps are carried out integrally in a predetermined sequence during one visit to a doctor, for which after applying the electrical field a patient is subjected to a barometric variable pressure with frequency 3-0,1 Hz and an amplitude up to ± 10 torr during a predetermined period of time, followed by a vibro massage using a vibroplate of a vertical vector with frequency 5-25 Hz and an amplitude up to 7 mm, after which a high-voltage electrical therapy is applied on a patient during 20-180 min. and further repeated a step of applying an electrical field with simultaneous using a negative potential during 5 minutes. 2. The method of claim 1, characterized in that the high-voltage therapy is carried out by bursts of biopolar isoelectric pulses duration from 1 to 20 mcs and frequency from 0,1 to 2000 Hz with an interval between bursts being 3-4 seconds and pulse amplitude 750-6000 V.

CN2618624

Magnetic therapeutic body-building device

The utility model relates to a pair of multi-functional physical therapy health shoes, which integrates magnetism and elasticity massage, static electricity scattering and internal recycle expulsion into a body, and which is characterized in that a plurality of electric conductor massage poles of different height are arranged on the middle sole of the shoe sole, a automatic massage device with a magnetic patch and an elastomer is arranged in the cave of each electric conductor massage pole, a expulsion device that is arranged on the electric conductor massage pole can move up and down along a cylinder that is arranged on the outer ring of the electric conductor massage pole, and a static electricity persuasion device that is

arranged on the bottom face of the back heel of the shoe is connected with every electric conductor massage pole via electric wires. When the user is walking, every massage pole supplies automatic massage stimulation to the soles of the feet, expulses the foul air in the shoe, and scatters the electric charge for preventing the harm from the static electricity, thereby achieving the health efficiency.

US2012207850

Methods for Increasing the Kinetic Activity of Alcohol, Water and Other Liquids...

The kinetic energy of liquids can be increased by several methods described in the present application. The methods include exposure to a magnetic field provided by a rotating or vibrating magnet; exposure to an electromagnetic field provided by an electrical power cord; and placement of the liquid within the vicinity of electrostatic energy and/or sound energy. A previously described method is the bubbling of electrolysis-generated water gas (Brown's Gas) into the liquid. The increased kinetic energy can be demonstrated using a previously described neutral red dye kinetic assay (NR-Kinetic assay). Energized liquids include alcohol, alcoholic beverages and water. The use of the energized solutions to enhance the alternative cellular energy (ACE) pathway in the therapy of individuals is described.
