



Patent Application

【Application Classification】 Patent Application.

【Applicant】

【Name】 Han-Sik Kim

【Patent Customer Number】 4-1998-052591-3

【Title of Invention】 The saline solution in which the graphene is dispersed and contained.

【English Title of Invention】 Physiological Saline Containing Graphene

【Inventor】

【Name】 Han-Sik Kim

【Patent Customer Number】 4-1998-052591-3

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【Claim of Priority】

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【Claim of Priority】

【Application Country】 KR

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【Filing Date】 2020.02.24



【Certificate】 Appendix.

【Claim of Priority】

【Application Country】 KR

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【Certificate】 Appendix.

【Claim of Priority】

【Application Country】 KR

【Application Number】 10-2020-0028666

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【Certificate】 Appendix.

【Purport】

We respectfully submit an application stating the above with the Commissioner of the Korean Intellectual Property Office.

The applicant laver Korean dish (the signature or the phosphorus)

【Official Fee】

【Application Fee】 0 page(s) 46,000 won.

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Fee】

【Priority Fee】 72,000 4 cases the won.

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【Reason for Reduction】 Secure Information

【Fee after Reduction and 85,800 won.



Exemption】



【Description of the Invention】

【Title of Invention】

The saline solution [Physiological Saline Containing Graphene] in which the graphene is dispersed and contained.

【Technical Field】

【0001】 The present invention relates to the injection solution, the saline solution, the dextrose in water, the Ringers solution etc placed with the purpose of curing the disease on the blood vessel of the human body, and the subcutaneous tissue.

【0002】 The saline solution in which the graphene of the invention is dispersed and contained tries to utilize for each disease including the dementia disease, parkinson's disease, amyotrophic lateral sclerosis, the Huntington disease etc.

【0003】 The saline solution in which the graphene of the invention is dispersed and contained tries to utilize as the therapeutic agent of etc. all viruses as ***, SARS, and the nose.

【0004】 The graphene powder of size less than 0.2nm in the means of using as the injection solution, the Ringers solution, the saline solution, the injection solution including the dextrose in water etc used in the conventional hospital can be used as the therapeutic agent it is scattered.

【Background Technique】

【0005】 [Patent documents 1] , application No: 10-2012-0037752, and the application date: 2012 year April 12, and the title of invention: the composition for the formation to the injectable one oxide graphene digitize, and the hydrogel manufacturing method using the same and in vivo gel formation method using the same it reacts to the outside stimulus.

【Content of Invention】



【Problem to solve】

【0006】 In the present invention, the graphene of 0.2nm in the saline solution which the problem supplies the human body to the injection agent or the Ringers solution can be used as the therapeutic agent of the disease it is scattered.

【Solution to the Problem】

【0007】 In the present invention, the powder graphene less than 0.2nm in the saline solution supplied to the means for solving problems to the human body to the injection agent, the Ringers solution, and the drinking liquid can be used as the therapeutic agent of the disease it is scattered.

【Effect of Invention】

【0008】 The saline solution in which the graphene of the invention is dispersed and contained can use in each disease including the dementia disease, parkinson's disease, amyotrophic lateral sclerosis, the Huntington disease etc.

【0009】 The saline solution in which the graphene of the invention is dispersed and contained can use in the virus each disease including ***, SARS, and the nose etc.

【Description of Drawings】

【0010】 Fig. 1 is the model map of the virus (100).

The perspective view of the process where fig. 2 the graphene powder (20) unites with the spike protrusion (12) of the virus (100).

The perspective view in which the graphene powder (20) fig. 3 is combined in the spike protrusion (12) of the virus (100) and the spike protrusion (12) is altogether seen having with the Cha DoenDoe.

【Detailed Description for the Implementation of the Invention】



【0011】 The present invention relates to the saline solution in which the graphene is dispersed and contained, and it hereinafter illustrates in detail.

【0012】 The present invention relates to the injection solution, the saline solution, the dextrose in water, the Ringers solution placed with the purpose of curing the disease on the blood vessel of the human body, and the subcutaneous tissue.

【0013】 First, the saline solution is illustrated.

【0014】 The isotonic liquid which thinks the body fluid of the cage condition as 0.9% NaCl solution and which adjusts identically this and concentration and which concentration manufacture is referred to.

【0015】 Even if the saline solution injects through the ringer etc. because the change of the osmotic pressure is not aroused to the general water even if it directly comes in within the blood vessel the symptoms including shock etc. is not shown up.

【0016】 If the emergency patient is taken to hospital due to the physiological sodium chloride solution or it does, big the Ringers solution (Ringer's solution) supplies the direct sap to the blood vessel and the purpose is made.

【0017】 Or glucose another name Ringer`s solution is contained with water and salinity, the nutraceutical, the antibiotic etc.

【0018】 In the Ringers solution, ATP and glucose (dextrose) are contained to the sodium chloride (salt), KCL, calcium chloride, sodium bicarbonate and nutraceutical.

【0019】 It is the name of the important metabolite quality in which the abbreviation of the adenosin triphosphate food is digested and in which ATP is generated in the cell in the process of being used as energy.

【0020】 It is the nutrient which it administers to the patient when being not given condition in which the patient receives food and which ATP and glucose assimilate and which is most essential.



【0021】 Or the direct injection is placed with the injection agent on the arm or the hips or the affected part and neighbouring subcutaneous tissue and it supplies.

【0022】 In the present invention, the saline solution, dextrose in water, ringers solution, the injection solution etc is named as the saline solution and it illustrates.

【0023】 That is, the graphene is and adds dispersed in the saline solution and it uses

【0024】 The saline solution in which the graphene is contained establishes to the concept including the dextrose in water, the Ringers solution, the injection solution etc. and it illustrates.

【0025】 In conventional Ringers solution 1 liters (1,000ml), the salinity (sodium chloride NaCl) which the concentration of the salinity included in the blood of the human body was similar was about 9g ***.

【0026】 Because it is similar with the density of salt of the blood of the human body because of being the isotonic liquid (isotonic solution) this concentration calls.

【0027】 Hereinafter, the graphene is illustrated.

【0028】 The graphene is divided into two categories.

【0029】 While indicating the large area sheet connected to the hexagonal loop as to the graphene sheet, the atom of graphite makes the atom thickness using the CVD deposition instrument and the research is active.

【0030】 The graphene sheet mainly utilizes in the semiconductor.

【0031】 It is the powder in which the graphene, and, one class is made into the punctiform of the atom thickness of graphite.

【0032】 In the present invention, 0.1nm to the powder made with 1nm the generally is named as the graphene powder and graphite or the carbon (charcoal) is used.



【0033】 Or it indicates that the graphene makes carbon the powder of 0.1nm to 1nm.

【0034】 Carbon chars the organic compound.

【0035】 That is, the organic compound can be used as the powder, which chars and which makes the carbon (male) and which it processes to the powder of 0.1nm to 1nm and made in the present invention, the graphene.

【0036】 It dispatches to the human body of the patient by because of being the graphene the invention defining the size powder less than 1nm of graphite or carbon and the graphene being and adds dispersed in the saline solution and the saline solution in which the graphene is dispersed and contained being made and using as the drink number, the injection agent, the ringer injection the etc. and it tries to be the purpose of being stupid with prevention and treatment the disease comprised.

【0037】 The gas is reacted and the graphene powder produces.

【0038】 The graphene powder is classified into the non-oxidizing graphene, the oxide graphene, and the reduction graphene.

【0039】 The non-oxidizing graphene, the oxide graphene, and the reduction graphene field can be used.

【0040】 But preferably, it is to use the non-oxidizing graphene.

【0041】 In the present invention, the fullerene of the shape of a soccer ball which is the carbon isotope can be used for the large of the graphene.

【0042】 Hereinafter, the organism graphene is illustrated.

【0043】 The carbon charring the plant class, ascidian, animal class, fishes, insect species, creatures including the fungus etc which is the creature existing in district to the ashing and is made is processed to size less than 1nm and the organism graphene is made and it can use.

【0044】 The carbon which chars and in which the plant of the creature is the stem, leaf, root, berries, flower etc made into the ashing is processed to size



less than 1nm and the organism graphene is made and it can use.

【0045】 Moreover, the sap, collected in the stem, leaf, root, berries, flower etc of the creature or the honey, sugar etc. are dried and the carbon made after the ashing is processed to size less than 1nm and the organism graphene is made and it can use.

【0046】 The animal class, the fishes, the insect species etc. process the carbon charring and is the protein, bone etc. made into the ashing to size less than 1nm and the organism graphene is made and it can use.

【0047】 The carbon charring the fungus of the creature to the ashing and is made is processed to size less than 1nm and the organism graphene is made and it can use.

【0048】 In the present invention, it says to be the powder of size less than 1nm in which the organism graphene makes charcoal the creature with the drying procedure, and the ashing and which is crushed and processed charcoal to the grinding process the organism graphene lice.

【0049】 That is, the numerically is of 0.01nm to 1nm since the organism graphene is the size of less than of 1nm.

【0050】 In the present invention, the organism graphene can be used as the gathering of the powder of size less than 1nm it uses as the saline solution in which the graphene of the invention is dispersed and contained

【0051】 Or the powder of the size of the specific range selected from the powder of the size of 0.01nm to 1nm

【0052】 Or it can use as the gathering of the selected specific range among the powder of the size of 0.01nm to 1nm.

【0053】 But in the present invention, according to its purpose of manufacturing, it announces that it enlarges to the range of the size of 0.01nm to 5nm and the size of the graphene powder or the organism graphene powder can add.



【0054】 The process of processing graphite or carbon and processing to size less than 1nm and making the graphene, and the organism graphene does not illustrate in detail but oneself makes "graphene alpha" company and graphite is processed before the several years and the graphene is made and oneself makes with 0.1nm to 0.7nm, and the size of 5nm and it circulates in on the market.

【0055】 That is, it hopes in their heart to refer to the process of making the graphene graphite, and the carbon isotope secure and use but yet not open the technology of the graphene machining.

【0056】 It has prior arts which are the process of fining the coarse-grained graphite, and charcoal to the micromachining and which the process of making the , organism graphene powder the graphene powder with graphite, charcoal etc. uses in the conventional industrial site and the ball mill texturing technique remarkably represents.

【0057】 But the yield of the processed powder is not satisfactory to the ball mill texturing technique to 0.1nm to 1nm.

【0058】 In the present invention, the ashing which the ashing uses in the current whole industry is followed.

【0059】 In the present invention, the graphene powder 0.000005g to 1g is added and it disperses into the ultrasonic disperser group or the dispersion means into the saline solution or Ringers solution 1 liters (1,000ml) and it can use

【0060】 But according to the purpose, amount of the graphene powder chosen according to its purpose that the graphene powder manufactures at a rate per the saline solution or Ringers solution 1 liters (1,000ml) is added and it disperses and it can use.

【0061】 That is, it announces the saline solution or the Ringers solution in which the graphene is dispersed and contained controlling the graphene content according to the purpose and being scattered.



【0062】 In the above case, the graphene can be the organism graphene.

【0063】 It has the characteristic in which the nano particle is cohered.

【0064】 That is, it has the characteristic in which particles which are near even if it disperses the graphene powder into the saline solution or the Ringers solution if the preset time passes by are cohered.

【0065】 Therefore, it has to use within the time not to the Ringers solution in which the graphene powder is dispersed long keep and be cohered.

【0066】 But in the present invention, the disadvantage of being cohered of the graphene nano particle is used as the advantage.

【0067】 That is, the characteristic used as the advantage of blocking that it sticks when killing the virus because the graphene powder which is 0.1nm to 1nm nano particle sweets on the virus which is the size of 10nm to 1000nm and the virus acts on the human body is used.

【0068】 But it has the number putting the additive in the saline solution, or the means of increasing the time to dispersion be facilitated and become with the nano coherence when adding the graphene in the Ringers solution and being scattered but it knows.

【0069】 Because the additive uses as the saline solution, or the means of increasing the time to dispersion be facilitated and become with the nano coherence when adding the graphene in the Ringers solution and being scattered in the human body while the surfactant uses the nature surfactant can be used.

【0070】 While indicating all surfactants that the surfactant uses in the industry one kind is selected out and it adds.

【0071】 Or the surfactant more than 2 kinds is chosen and it can add and it follows its selection which the addition amount manufactures.

【0072】 According to the necessity of the surfactant, it adds within the comparison 10mg of 1 liters (1,000ml) of the saline solution, or the Ringers



solution when stubbornly adding.

【0073】 The superspecies class, and the alkali kind can be used as another additive.

【0074】 According to its purpose of manufacturing, or it stubbornly adds as the superspecies class within the comparison 5mg of 1 liters (1,000ml) of the saline solution, or the Ringers solution when adding the alkali component.

【0075】 In the above case, it does that the graphene less than 1nm can be used since the particle size of the graphene possible to be used in the present invention 1nm class can use according to the purpose.

【0076】 That is, in the saline solution in which the graphene of the invention is dispersed and contained, even if it has the product of the situation which is not surfactant, acidity, or the material in which the alkali component is certainly added and is added according to its purpose of manufacturing it adds in time and it can manufacture.

【0077】 In the present invention, the nano-material replacing the graphene powder is illustrated.

【0078】 It can replace with the powder less than 0.1nm consisting of the organic material, and the inorganic material to 1nm.

【0079】 That is, it can not be dissolved in water including the calcium nanopowder, the zinc nanopowder, the magnesium nanopowder etc. and the graphene can be replaced with the organic material nanopowder which is not injurious in the condition.

【0080】 That is, it has to be the material which is not dissolved in the liquid which uses while using the nanopowder which *** consists of the organic material or the inorganic material with graphene.

【0081】 In the present invention, it can replace with the nano-material replacing the graphene with the nanopowder of iron.

【0082】 That is, the graphene powder can be replaced with the powder less than



0.1nm of iron to 1nm.

【0083】 In the above case, the saline solution indicates the injection the means of using of the ringers solution, dextrose in water, buffered saline liquid, the human body including the injection solution etc.

【0084】 In the present invention, the graphene in the water, the bottled water, the water purifier water, the distilled water etc which the saline solution or the Ringers solution and human can drink can be used as the liquid in which the graphene which it can drink by adding and dispersing and using is dispersed.

【0085】 That is, human as to water, bottled water, water purifier water, the distilled water etc, which are the liquid means in which the graphene which human can drink is dispersed can drink.

【0086】 Or the water, bottled water, water purifier water, the distilled water etc which is the liquid means in which the graphene which human can drink is dispersed can supply to the direct spray action through the oral cavity of human or the nostrils using the spray tool.

【0087】 Or the water, bottled water, water purifier water, the distilled water etc which is the liquid means in which the graphene which human can drink is dispersed uses as the humidification liquid of the ultra sonic humidifiers means and the humidification liquid in which the graphene due to the wave of ultrasound is included can be supplied to the respiratory process to the breathing organ.

【0088】 According to the drawing attached below, it illustrates whether the graphene can restrict the virus or not.

【0089】 Fig. 1 shows the model of the virus to drawing.

【0090】 It is parasitic by having to the radial shape with the spike protrusion outlet and using as the media penetrating into the cell of the human body into the spike protrusion outside *** and while the cell structure of being perfect is unable to be formed and the virus exists in the form of the nucleic acid and the



protein shell surrounding the nucleic acid the damage is given to the host as the proliferation process.

【0091】 As shown in fig. 1, in the outside of the body (10) of the virus (100), it has the characteristic in which the spike protrusion (12) is distributed in the evenly and it sticks on the human body and it is the chip it is the means.

【0092】 In the present invention, the characteristic of the inside of the body (10) of the virus (100) is not illustrated.

【0093】 The drawing of the simple model of the virus (100) and graphene powder are cohered and the some functions of the virus is restricted and it tries to explain to the extinction it induces.

【0094】 According to the virus (100) is the kind, size is about 10nm to 1000nm.

【0095】 It is used as the means of the what is called spike protrusion (12) in the external periphery of the body (10) being formed and combined in the cell of the host and increasing.

【0096】 The object of the present invention binds the graphene powder in the spike protrusion (12) and the function of the spike protrusion (12) is lost.

【0097】 Figure 2 is a perspective view of the process the graphene powder (20) uniting with the spike protrusion (12) of the virus (100).

【0098】 It has the purpose in which the graphene powder (20) the combination (it sticks) in the spike protrusion (12) of the virus (100).

【0099】 That is, it was the needle it was and the virus (100) increased in the human body or because of being attracted to the power in which the body evenly grows flushed with the Ringers solution if it has the Ringers solution in which the graphene powder (20) is dispersed into the treatment method when doing and it tramps around in the human body and the graphene powder (20) graphene powder is combined to the nano cohesive force if it meets the virus (100) and weighing on the body (10) or the spike protrusion (12) of the virus (100) the power sticks.



【0100】 As shown in fig. 3, if the preset time passes by while the cell is unable to increase since because the spike protrusion (12) of the virus (100) any more sweets on the cell of the host if the graphene powder (20) is combined in the spike protrusion (12) of the virus (100) the cell is unable to stick and it cannot be parasitic, the cell dies out.

【0101】 It is the nano particle that has the characteristic which is not injurious upon the human body since it is the carbon isotope in which the graphene powder (20) configures the condition of carbon the human body.

【0102】 In the above case, the saline solution in which the graphene is dispersed and contained is injected into the human body using the injection agent, and the ringer means and the graphene sticks to the virus to the nano agglomeration and the function of the virus is decreased and the virus does not increase and it can lead to the road of the extinction in the satellite exchange.

【0103】 In the above case, the saline solution or the water, bottled water, water purifier water, the distilled water etc in which the graphene is dispersed and contained can supply to the direct spray action through the oral cavity of human or the nostrils using the spray tool.

【0104】 In the above case, the saline solution or the water, bottled water, water purifier water, the distilled water etc in which the graphene is dispersed and contained uses as the humidification liquid of the ultra sonic humidifiers means and the humidification liquid in which the graphene due to the wave of ultrasound is included can be supplied to the respiratory process to the breathing organ.

【0105】 That is, the graphene powder or the water in which the organism graphene powder is contained is vaporized into steam and the steam is inhaled and the graphene powder or the organism graphene powder reaches the lungs of the user and it does with the virus and nano combination.



【0106】 Hereinafter, another one example is illustrated.

【0107】 In advance, the electron tobacco is illustrated.

【0108】 It is the electronic cigarette means doing the action which vaporizes liquid of the cotton means in the heat in which liquid is absorbed into the cotton means in which the electronic cigarette adds additive (the perfume, and the nicotine) etc. in the liquid (glycerine) and playing the wick role and had on and configuring the heating line in the cotton means and heating the heating line with the battery method and which is generated and made with the aerosol type and inhaling the haze with the mouth in the exit path and sending to the lungs and which again makes through the mouth and spit out.

【0109】 In the present invention, to the glycerine, which is the liquid can use in the electronic cigarette substitution, liquid

【0110】 The saline solution in which the graphene is dispersed and contained can be substitutively used.

【0111】 In the present invention, the graphene powder is added to the rate chosen within 1g and it evenly disperses into liquid glycerine 1 liters (1,000ml) used in the electronic cigarette and it uses.

【0112】 Or the saline solution and the glycerine in which the graphene is dispersed and contained can be used as the liquid of the electronic cigarette it evenly mixes to 5 to 5.

【0113】 That is, the graphene nanopowder gets mixed in the haze generated using the liquid in which the graphene is contained in the liquid of the electronic cigarette and the breathing organ is passed through the oral cavity and it reaches even the lungs and the Intention-to-treat can be achieved.

【0114】 The saline solution in which the graphene of the invention is dispersed and contained is to the Intention-to-treat of dementia to injection, and the ringer means in the human body.

【0115】 The saline solution in which the graphene of the invention is dispersed



and contained is to the Intention-to-treat of the Alzheimer to injection, and the ringer means in the human body.

【0116】 The saline solution in which the graphene of the invention is dispersed and contained is to the Intention-to-treat of the Lou Gehrig disease to injection, and the ringer means in the human body.

【0117】 The saline solution in which the graphene of the invention is dispersed and contained is to the Intention-to-treat of the Parkinson disorder to injection, and the ringer means in the human body.

【0118】 In the present invention, the above-mentioned graphene is graphite, and carbon 0.1nm to the powder made with 1nm.

【0119】 The aggregate of the size in which the powders of 0.1nm to 1nm are mixed can be used when using the graphene powder, and the organism graphene powder.

【0120】 Or the population powder of the size selected in the size of the powder of 0.1nm to 1nm can be used when using the graphene powder, and the organism graphene powder.

【0121】 In the present invention, the nanopowder which it generally can use of the graphene

【0122】 The carbon-powder of 0.1nm to 1nm.

【0123】 The calcium powder of 0.1nm to 1nm.

【0124】 The zinc powder of 0.1nm to 1nm.

【0125】 The magnesium powder of 0.1nm to 1nm.

【0126】 The iron powder of 0.1nm to 1nm.

【0127】 It has the inorganic powder of 0.1nm to 1nm etc.

【0128】 It has the organic material powder of 0.1nm to 1nm etc.

【Reference Signs List】

【0129】 The body (10) spike protrusion (12)

Graphene powder (20) virus (100)



【Claims】

【Claim 1】

The saline solution in which the graphene which adds the graphene powder in the saline solution and which disperses and configured is dispersed and contained.

【Claim 2】

The saline solution in which the graphene which adds the organism graphene powder in the saline solution and which disperses and configured is dispersed and contained.

【Claim 3】

The saline solution in which the saline solution can be the dextrose in water, the Ringer`s solution, and the injection solution and one graphene is dispersed and contained.

【Claim 4】

The saline solution in which the saline solution is the water means which human can drink and one graphene is dispersed and contained.

【Claim 5】

The saline solution in which the graphene which the graphene powder , and the size of the organism graphene powder are done by the aggregate of the powders of size less than 0.01nm to 1nm is dispersed and contained.

【Claim 6】

Among the graphene powder, and the size of the organism graphene powder is the powders of size less than 0.01nm to 1nm.

The saline solution in which the graphene which it is done by the aggregate of the specific size is dispersed and contained.



【Claim 7】

Among the graphene powder, and the size of the organism graphene powder is the powders of size less than 0.01nm to 5nm.

The saline solution in which the graphene which it is done by the aggregate of the specific size is dispersed and contained.

【Claim 8】

The saline solution in which the graphene in which the graphene powder or the amount in which the organism graphene is dispersed and which is added can add the specific weight in which the graphene powder is selected in the interval of about 0.000005g to 1g in the saline solution in the saline solution 1L is dispersed and contained.

【Claim 9】

The saline solution in which with it is the nanopowder of the organic material or the inorganic material one graphene is generally dispersed and contained of the graphene powder or the organism graphene powder.

【Claim 10】

The saline solution in which the graphene powder is dispersed and contained. Or the saline solution in which the graphene scanning the saline solution in which the organism graphene powder is dispersed and contained on the human body and the disease to the prevention or the Intention-to-treat is dispersed and contained.

【Claim 11】

The eating material in which the graphene powder is dispersed and contained. Or the saline solution in which the eating material in which the organism graphene powder is dispersed and contained drinks to the oral cavity and preventing the disease or with it is the Intention-to-treat in which one



graphene is or dispersed and contained.

【Claim 12】

The saline solution in which the graphene powder is dispersed and contained.

Or the saline solution in which the organism graphene powder is dispersed and contained

Or the eating material in which the graphene powder is dispersed and contained

Or the saline solution in which the graphene vaporizing to steam to the vaporizing apparatus being selected from the eating material in which the organism graphene powder is dispersed and contained and sends to the respiratory process to the lungs and the disease is cured is dispersed and contained.

【Claim 13】

The saline solution in which the graphene powder is dispersed and contained.

Or the saline solution in which the organism graphene powder is dispersed and contained

Or the eating material in which the graphene powder is dispersed and contained

Or the saline solution in which the graphene fogging to the high-voltage device being selected from the eating material in which the organism graphene powder is dispersed and contained and sends to the respiratory process to the lungs and the disease is cured is dispersed and contained.



【Abstract】

【Summary】

The present invention relates to the injection solution, the saline solution, the dextrose in water, the Ringers solution placed with the purpose of curing the disease on the blood vessel of the human body, and the subcutaneous tissue. The saline solution in which the graphene of the invention is dispersed and contained tries to utilize for each disease including the dementia disease, parkinson's disease, amyotrophic lateral sclerosis, the Huntington disease etc. The saline solution in which the graphene of the invention is dispersed and contained tries to utilize as the therapeutic agent of the etc. virus as ***, SARS, and the nose.

The graphene powder of size less than 0.2nm in the means of using as the injection solution, the Ringers solution, the saline solution, the injection solution including the dextrose in water etc used in the conventional hospital can be used as the therapeutic agent it is scattered.

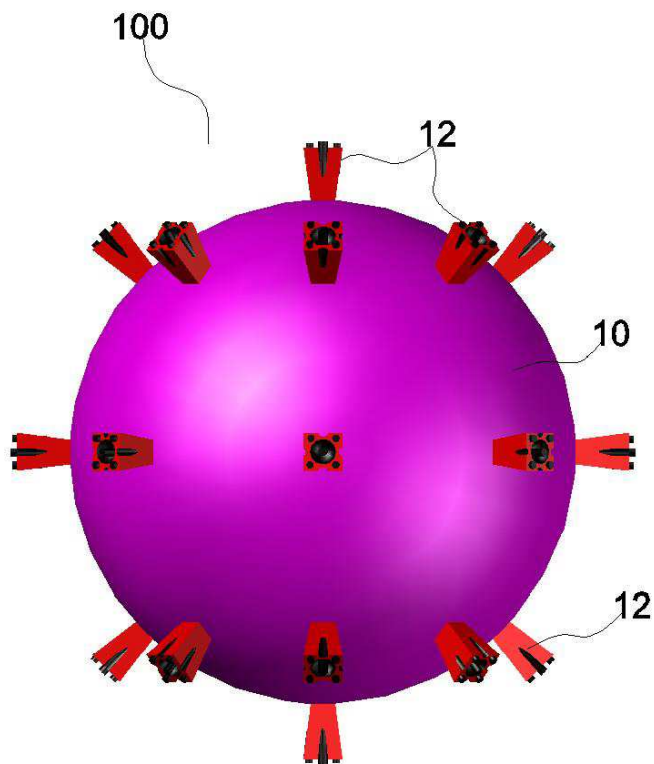
If the Ringers solution in which the graphene powder is dispersed is injected into the human body in which the virus percolates and it is evenly propagated to the interior of the body and the virus and graphene powder meet, the graphene powder and virus attract into the nano cohesive force and it sticks. If the body stick because the graphene powder sweets on the body and spike protrusion of the virus, it is unable to function and the virus is unable to increase and it dies out in the satellite exchange.

【Representative Drawing】

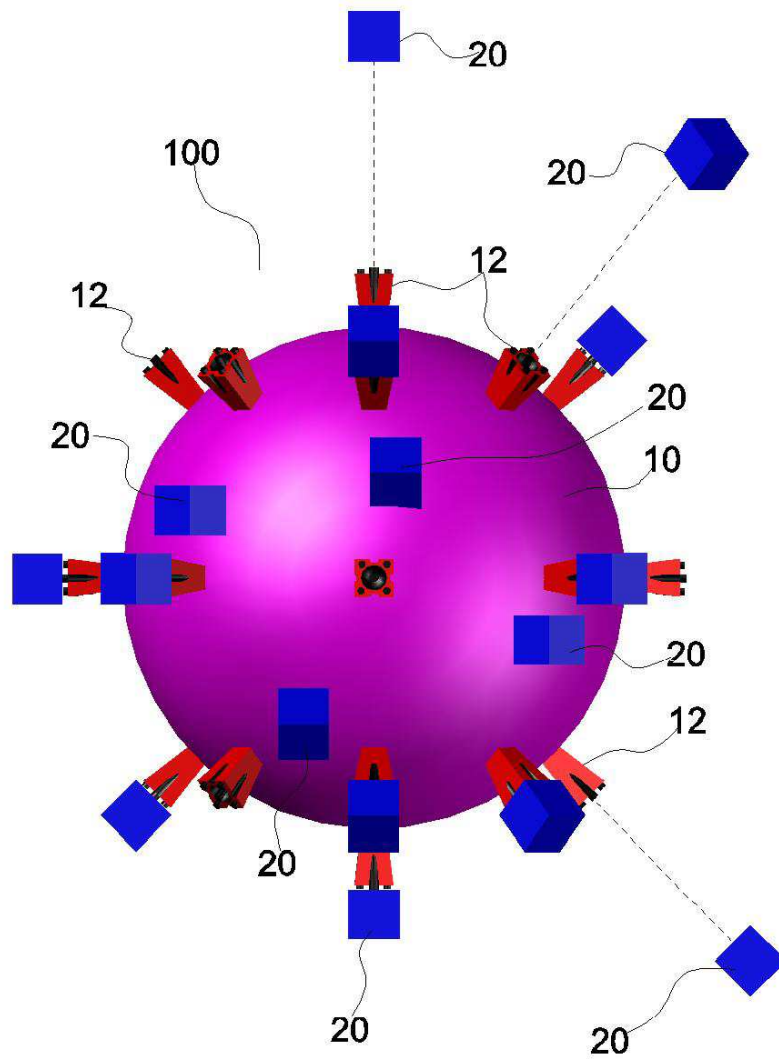
Figure2

【Drawings】

【Figure 1】



【Figure 2】



【Figure 3】

