# ANALGESIC CHAMBER, FOR MEDICAL TESTS AN INVENTION THAT REDUCES PAIN, FATIGUE, DEPRESSION, DROWSINESS, LAZINESS AND THAT MAKES US MORE LUCID, WITHOUT A DRUG USE

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Severe weather produces infrasound, which is the cause of meteosensitivity(1), with specific symptoms such as: muscle pain, joint pain, headache, vision problems, migraines, depression, fatigue, apathy, asthenia, drowsiness, insomnia, concentration disorders, nervousness, irritability. Until now, it was wrongly known that high humidity, low atmospheric pressure and electromagnetic radiation are the causes of weather sensitivity. Meteosensitivity affects the whole body: the cardiovascular system, the central nervous, respiratory, digestive, muscular and articular system. It is known that electromagnetic radiation produces similar symptoms. If we build a room or a house, where infrasound and electromagnetic radiation do not penetrate, and atmospheric pressure is very stable, then all these symptoms and medical problems disappear, only temporarily for as long as we stay inside. It only works if you get into it, and we'll probably feel good for a while longer.

As the CERN particle accelerator was created to study quantum physics, I believe that this analgesic chamber can be used to investigate diseases that have an unknown cause, and those for which it does not exist a treatment. So far, no man has experienced living in an enclosure in which the effects of weather, infrasound and electromagnetic radiation do not penetrate.

Keywords: meteosensitivity, chronic fatigue, fibromyalgia, pain, depression.

#### INTRODUCTION

A French researcher, Dr. Vladimir Gavreau, invented and produced infrasound weapons in the '60s. On this occasion, he noticed what effects it could have on his team. It appears to have produced a "sonic cannon" that was capable of killing all living things within a 5 mile (8 km) radius. The research was stopped due to the fact that they failed to produce an infrasound shield. Infrared weapons also killed the one who pulled the trigger. All the investigations were secreted by the French army, and were not revealed until 1999. Having sources from the army, General Dr. Emil Strainu confirms that the infrasounds produce "unbearable pain, headaches, dizziness, acute vomiting sensations" and tells us about the "deadly effects of infrasound"3 Gavreau did not understand a thing, all the symptoms caused by infrasound were exactly like those of meteosensitivity. But absolutely all. Only the weather sensitivity is the exact opposite of what he was doing. He produced infrasounds of varying frequencies and intensities,

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and noted the effects they had on his research team. In the book "Lost Science" by Gerry Vassilatos<sup>2</sup>, there are broadly presented the effects that each frequency of infrasound can have. He had some vague references to the effects of wind on some large masses of people, but there is no question of understanding that meteosensitivity is produced by infrasound generated by lightning, atmospheric turbulence, polar vortex, jet stream and helicity (SRH), Lifted index, Cape, heat wave, instability of atmospheric pressure, volcanoes, earthquakes and solar flares. He understood some independent issues, which he did not put together and understand how the meteosensitives from thousands of kilometers away are affected. Vladimir Gavreau was concerned with deadly weapons, and not with medicine. He wanted to harm people, he was not interested in doing good things, although, paradoxically, his research led to the discovery of the causes of weather sensitivity.

### ANALGESIC CHAMBER

On the 20<sup>th</sup> of August 2020, Nicolae Bucur filed with the State Office for Inventions and

Trademarks the invention patent application for "The analgesic chamber that reduces: pain, fatigue, depression, drowsiness, nervousness, anxiety, stress, dizziness, noise and which makes us more lucid". It is a system that aims to isolate people from infrasound, noise and electromagnetic radiation. Interested persons can consult all the technical documentation at the OSIM library.

It is a chamber that is infrasonically isolated, which treats meteosensitivity, fibromyalgia, chronic fatigue and depression without drugs.

Meteosensitivity is like the sensation of cold / heat coming from outside the body. If we are cold or hot, do we go to the doctor's? No. We enter the house and isolate ourselves from the weather outside. All homes around the world are "transparent" from an infrasonic point of view. Why? Through walls (no matter what material they are made of: concrete, glass, brick, wood etc.), infrasound passes more easily than through air. Moreover, due to the resonance effect, inside houses, it is worse than outside, because infrasound amplifies. It is as if we lived in a greenhouse or solarium and the sun seemed to be more intense inside than outside. That's why rheumatologists recommend that meteosentives to walk in nature, away from cities. From an infrasonic point of view, inside houses, it is like sleeping outside in rain, frost, sun, fog, blizzard or storm. We are exposed to infrasonic weather. Perfectly healthy people are not meteosensitive and do not feel any weather influence, but those who are sensitive need a shield, a protection. They need sound / infrasound insulation. As we insulate houses thermally, so we must insulate them infrasonically.

The infrasonic isolated home should bring us supreme comfort.

The houses are not perfectly thermally insulated, but nevertheless, inside a house, it is much better than outside. From an infrasonic point of view, it is much worse.

What to do? The chamber must be built and tested. It only works theoretically. And the theory is simple.

## HOW DOES THE CHAMBER WORK?

There are people who have intolerance to infrasound, just as others have intolerance to gluten, allergy to peanuts or mold. Basically, they have an intolerance to ordinary things. We use vacuum to isolate infrasound, because sound does

not pass through vacuum. Why doesn't sound or infrasound go through a vacuum? A tsunami cannot cross the ocean if the ocean does not have water. You can't make waves in a lake if there is no water in the lake. Sounds / infrasounds are waves through air. If we don't have air, we don't have waves. It is simple. We can't have waves out of "nothing". The sounds move similarly to the domino effect. If a few pieces are missing, the movement stops. The vacuum represents the few missing domino pieces to stop the infrasonic movement and momentum.

# THE ANALGESIC CHAMBER RESEMBLES A FORTRESS

Hundreds of years ago, the thick walls of cities protected the population from arrows, bullets and shells. Meteosensitives need a shield for infrasonic blows. The chamber is like a bulletproof vest, which takes over all the infrasonic blows, because the infrasounds hit us literally.

Anyone who lives in a block of flats knows that sounds pass through walls when neighbors argue or make noise. The drill can be heard from the 10<sup>th</sup> floor, even if it is used on the ground floor. If we have a party at the block and we "play" loud music, the neighbors get low frequencies (bass) and less high frequencies. The lower the frequency, the more penetrating it is and the easier it passes through walls. Frequencies of 20-50 Hz pass through a wall of glass wool, with a thickness of 3 meters. Dr. Vladimir Gavreau said that no material stops the passage of infrasounds. Concrete bunkers with 3 meters thick walls, through the armor of the tanks, all Gavreau's attempts failed. He said that even in subway galleries, he can't protect us from infrasound(2). If there is an 8-magnitude earthquake in Australia or New Zealand, seismic waves reach Europe from a distance of 17.000 km. "The Weather of the Meteosensitives" has published several articles in this regard, plus dozens of articles with evidence or arguments of those listed in this paper.

NASA tells us that "Infrasounds propagate hundreds of miles and can penetrate walls, mountains and other obstacles without loss."(4) A mountain can be 10/20/50 km thick. So the mountains are perfectly "transparent" for infrasound.

How can this be explained? Infrasound passes more easily through hard materials than through air. The harder the materials, the easier the sounds are. Below there is the list of materials from those that transmit the sound best to those that transmit it the weakest (descending order, from the most conductive ones to the most insulating ones). Granite, marble, glass, steel, concrete, brick, wood, BCA, rubber and sand. The less hard the material, the harder it transmits sound.

In conclusion, isolating infrasound is an extremely difficult mission. From a theoretical point of view, no one has managed to create a chamber or a house insulated from infrasound, where the weather sensitivity does not enter.

The best sound / infrasonic insulator is vacuum. Sound passes through material or air, if matter / material / air is missing, sound does not pass. Vacuum is a space where, theoretically, there is nothing, not even air.

Absolute vacuum cannot be obtained with current technologies, and it would have the value of 0.000 mb, that is zero pressure. The higher the pressure is from absolute zero, the more sound conductor the vacuum is. That is, the sound passes, but with more difficulty. So it's good to have the vacuum as close to absolute zero as possible.

How does the invention work? It consists of a bottle that is in another larger bottle. The two bottles do not touch, and, between the two of them, there is a vacuum layer, through which meteosensitivity, sounds and infrasounds do not pass.

If we put a nail in the socket, we get electrocuted. If we plug in a piece of plastic, we do no longer get electrocuted. Why? Plastic is electrically insulating, and metal is conductive. In sonic / infrasonic, all materials are more or less conductive, and the vacuum is insulating. That is when I designed this chamber that stops infrasound through a layer of sound-insulating vacuum.

It is good that there is no pipe between the two cylinders, because it represents an acoustic bridge (that is where the sound / infrasound would enter). For this reason, ventilation pipes must be as long as possible. Insulators that are between the two cylinders must have as small an area as possible and as long a length as possible.

The rest of the devices are needed to make this principle possible. In other words, it is a room with double walls in the form of a cylinder. Between the double walls, there are 10 cm of vacuum, and, so that the two chambers do not touch, it is supported on some multi-layer sound insulators (10–20 pieces per cm) such as felt, cork rubber etc.

A small apartment room is  $2.82 \text{ m} \times 3.63 \text{ m} \times 2.5 \text{ m}$  high, that is 10.2 sqm, 25 cubic meters and the surface of all walls 52.6 m square meters. If we

soundproof it with a sponge or a 50 cm thick insulating felt, on all sides: ceiling, floor, window and door, there are still left  $1.82 \times 2.63 \times 1.5$  m in height. That is, 4.3 square meters, 6.85 cubic meters, and the insulation has contact with the outside of 52.6 square meters. If we intend to build an analgesic chamber, of comparable dimensions and if the insulators of the chamber would have a length of 50 cm, and the sound insulation would be continuous and not "sliced", it would still be more soundproof 1.000-5.000 times better (not to understand 1.000 decibels). The areas that come into contact with the outside are 1.000-5.000 times smaller. I estimate that the "slice" of the insulator, even if it is made of the same material, the sound insulation would be 60,000–300,000 times better than the classic insulation of the room. In this case, the sound enters through 52.6 sqm, and, in the case of the analgesic chamber, the area is 500 square cm (0.05 sqm), that is 1.052 times the smaller surface. But if it is decided to build a smaller and lighter chmaber, the area is 5.000–6.000 times smaller. In the case of classical insulation, it is impossible to mount 1.000 layers of insulator on the walls or the ceiling without being glued together.

I estimate that the speed of sound will decrease due to "slicing" and wrinkling of the material for 50-60 times. The fact that the insulator is discontinuous and sectioned 1.000-2.000 times, the insulation will be much better. Why is "sliced" material more insulating than the continuous one? Because it has no direct atomic bond (atoms are not bonded together). The materials touch each other from place to place due to striations, ribs and matte materials. The analgesic chamber can be only 12 cm thick between inside and outside and it made completely transparent be claustrophobes.

# ADVANTAGES OF THE ANALGESIC CHAMBER AS COMPARED TO THE CLASSIC ANECHOIC CHAMBER

Theoretically, sound insulation can be from 1.000 times, up to hundreds of thousands of times better than the system practiced in homes.

The present invention relates to a chamber / building / house very well soundproofed (anechoic) as compared to the outside / inside, intended for the treatment of meteosensitive people, fibromyalgia patients, chronic fatigue, chronic pain, with meteophobia, spring asthenia, for elderly, terminally ill people, for Alzheimer's patients in depression or hysterical seizures. It can be used for recreation

and well-being, where you can work quietly, to increase efficiency and creativity, to inspire poets, writers, painters, composers, for the rehearse of singers, fiddlers etc. without disturbing the silence of neighbors. The analgesic chamber insulates from a sound and a thermal point of view, in some conditions it also isolates vibration. It can be used for industry, army, police, firing range, science, or recording studios.

It is a vacuum-suspended chamber, which rests on some isolated legs. It is a double cylinder whose walls do not touch, which can have any shape that can withstand 1/1.5 bar. It is thousands of times better insulated than a sound chamber with 2–3 m insulation on all sides.

The anechoic chambers that insulate the sound are known, but they are difficult to build, they are extremely expensive, very heavy, very voluminous, they occupy a lot of land, with 3 meters thick walls, and they use the system of chamber in chamber. There are at least 3 massive concrete chambers, smaller and smaller and insulated with mineral wool between them. They cannot stop frequencies lower than 50-30 Hz. Why is sound so difficult to isolate? Because sound passes through matter, but does not pass through vacuum. If we want to build a classic chamber with a microwave oven in it  $(0.5 \times 0.5 \times 0.5 \text{ m})$ , the final size is 6.5×6.5×6.5 meters! That is, the final chamber is larger than the microwave oven it insulates by 6 meters. Can you imagine how big a 6.5×6.5× 6.5 meter room can be? It will have 275 cubic meters (as big as a house of culture) to soundproof a microwave oven!

The technical solution that the invention solves is the sound and thermal insulation, in a coating of only 1–20 cm between inside and outside. Although it is possible a meter or even more. Theoretically, under ideal conditions, it would allow extreme temperatures. Minus 100 degrees or plus 100 degrees outside, and inside one can live at 20 degrees. It would, also, theoretically reduce outside noise by 200 decibels. These great ones would be possible with a layer of 10 cm of intense vacuum.

The problem that the invention solves is the achievement of an anechoic chamber with vacuum "coating or film", necessary for the treatment; meteosensitives, children crying for no reason, people in breakdowns and those who are hospitalized in neuropsychiatric hospitals, capricious people, relaxation and increased occupational efficiency.

It is basically a chamber with double walls, which do not touch, insulated from each other with vacuum, which aims to isolate from the entire

frequency band, including infrasound. Theoretically, if the vacuum is absolute and there is no acoustic bridge (it would levitate magnetically), you should shoot with the cannon outside, and should be absolute silence Theoretically, if we set it up in the center of a disco, at a rock concert, near the runway of jet planes or launching rockets going to the moon, there should be absolute silence inside. If the efficiency is one hundred percent, it should reduce the noise by 200 decibels, including the loudest infrasound. As it is impossible to make it perfect, then the acoustic attenuation should be reduced proportionally. So the best possible materials must be used.

Absolute vacuum is the best sound insulator. Concrete, glass, metal, stone and wood are leading. The principle is simple: sound propagates through a material. If the material (air) is missing, sound is not transmitted. Because there is no air in a vacuum.

The novelty of this invention is the sound / infrasonic, thermal insulation and as to vacuum vibrations and the treatment of certain categories of patients. Global warming brings more infrasound, which makes the population sick.

21 constructive variants are submitted to OSIM, and the elements of each variant can be mounted in different combinations, in multiple variants (much more than 21 variants).

#### ADVANTAGES AND TECHNICAL DATA

A first advantage of the chamber is that it can be placed 1–2–3 or n windows, in the form of portholes, or it can be made transparent. In a classic anechoic chamber, windows could not be mounted, nor could transparency be made.

They have a system with huge blades, which prevent echoes from inside, but are not useful for meteosensitives or health.

The invention has the following advantages: it can be built from sizes starting with a few centimeters, up to the size of a cathedral or even a stadium.

It can be built totally or partially transparent, opaque, it can be mounted in homes or offices. A chamber where a man can enter can be made in the form of a 2 meters long cylinder and one meter in diameter, even smaller. It depends on how much the beneficiary wants.

The tunnels can be transformed into analgesic chambers, which can be kilometers long, at a much lower price.

The shape of the interior and exterior chamber can be any, without restriction. Each shape has advantages and disadvantages, for this reason the shape of the analgesic chamber will be chosen according to these advantages or disadvantages. But if we make it in the shape of a cube, we waste material, if we make a sphere, we save material. Some shapes are better for the roof function, meaning that no snow is deposited.

The best shape is the sphere or the cylinder (like CFR tank, or LPG cylinder of different shapes). Removable concrete or plastic domes can be made. The cylinders can be made of concrete panels that are joined with screws (as in the subway). The detachable subway tunnel is a very good resistance variant.

The shape can be chosen according to the architecture, tastes, price, materials used and necessities. Technology can be found in: cathedrals, thermal power plant furnaces, accumulation dams or nuclear power plants. The cathedrals offer us a lot of dome shapes. Church builders know a lot of technologies and construction techniques. The towers of the fortresses, the lighthouses by the seaside and the pylons of the wind turbine, too.

The outer enclosure can be made of metal, and the joints will be made by welding or welding and rivets. Rivets can also be replaced with screws. The parts joined with rivets or screws can be made in such a way that the inner enclosure can be replaced or repaired. So rivets and screws allow disassembly.

They can be made removable (with flanges) or non-removable. The former have the advantage that they can be repaired, the latter having the advantage that they are cheaper. They may also have hardening ribs or rolling rings. They can be made with air ventilation or with an oxygen cylinder.

If this analgesic chamber is built (supported) on four rows of rubber insulators made of continuous material 50 cm long, the final chamber will not be insulated as one that is insulated on all sides with solid rubber 50 cm thick, but it will be more isolated 1000–6000 times better. The area that comes into contact with the outside will be 1000–6000 times smaller than in the classic class.

Commercial variants will have to be built as a compromise between quality, price and utility.

The materials will be chosen depending on the price, the price of labor, the beneficiary's preferences, the size of the chamber, durability in earthquake, total or opaque transparency, the number of portholes, or others. The materials of

the outer enclosure will be chosen from those that resist compression, and those from the inner enclosure will choose those that resist stretching.

The exterior chamber will be made of materials with high compressive strength such as: reinforced concrete, metal, fiberglass, polypropylene, polycarbonate, PMMA, Plexiglas, stiplex, glass (it can be reinforced with bulletproof or anti-burglary foil), duplex glass.

The drawing is made to integrate the operation, and the proportion between the assemblies may be different in reality. All dimensions and all proportions will be chosen, depending on needs, price, materials or performance. Therefore, the enclosures can be larger, or taller, the legs can have other proportions, as well as the air inlet or outlet chambers (ventilation).

The analgesic camera has the advantage that it does not take up more space than an ordinary house. This advantage is added to other benefits, such as health, labor productivity, increased creativity, and provides superior thermal, sound, and vibration insulation.

# WHAT SCIENTIFIC AND MEDICAL VALUE DOES THE ANALGESIC CHAMBER HAVE ON THE METEOSENSITIVES?

Infrasound and meteosensitivity can cause a whole series of symptoms throughout the body. In the skeletal system, articular system, central nervous system, cardiovascular, respiratory, digestive and muscular system etc. Even vision is impaired.

If we can stop infrasound and meteosensitivity, then we can prove a lot. From that moment, doctors can no longer send to the psychiatrist patients who say they have imaginary diseases. If this chamber works, then we will clear once and for all these misunderstandings and riddles in medicine. We will eliminate this conflict between patients and doctors, which arises whenever the doctor deems it an imaginary suffering.

There are patients with fibromyalgia who have complained that they have consulted 60 different doctors for 12 years until they discovered this terrible disease. This chamber could offer the answer in a few hours.

Ana Maria Florescu, a physical therapist specialist, says in an interview for digi24.ro that: "40% of the Earth's population suffers from meteosensitivity". According to my calculation, about 300 million Europeans are meteosensitive,

and there are about 3 billion worldwide. I am sure that many need a lot of answers. These answers may come from this chamber.

If a patient feels bad outside and well inside, then that person will know for sure what upsets him / her, and he / she will understand that it is not something serious.

Dr. Dumitru Constantin Dulcan tells us that, if we know the cause of a certain suffering, 50% of that condition is solved. Because he says: the body begins to heal itself.

#### TREATMENT AND RELAXATION METHOD

People are placed in the inner cylinder, insulated with vacuum, at least for a few hours, and thanks to this environment without noise, infrasound and electromagnetic smog, some people will feel better, painless, more rested, calmer and more lucid, than in the natural environment. The effect will probably last some time after. There are many people who, after a high altitude cure (1.500–2.000 m), come home with "charged batteries", meaning the beneficial effect lasts longer. At high altitudes, atmospheric pressure is lower and infrasound is more anemic. If they are more anemic, they are less harmful than at low altitudes. This explains why some people feel better, are more energetic and more lucid in the mountains, even if oxygenation is worse at high altitudes.

# THE ANALGESIC CHAMBER COULD BE USEFUL IN THE MEDICAL RESEARCH OF THE ABOUT 500 DISEASES THAT HAVE AN UNKNOWN CAUSE

As I said before, infrasound can cause symptoms throughout the whole body. In the central nervous, cardiovascular and respiratory system etc. If it affects the whole body, with this new tool, we can research the suite of diseases that do not know why they occur, and there is no treatment.

The analgesic chamber can be built with dimensions ranging from a few centimeters up to the size of a cathedral. So, you can make a chamber the size of a cup, where we can insert a little mouse, which protects it from a noise of 200 decibels.

All kinds of experiments are performed in research with rats or mice. We can experience whether this chamber can prolong the life of a little mouse, as compared to one that lives under normal conditions. We can experience if those living in the room still develop diabetes, cancer, Alzheimer's, Parkinson's, dementia or autoimmune diseases.

The life of these rodents is very short, and we can do tests related to diseases for which one does not know the causes. There are about 500 diseases in which the cause is not known, and so we can check if infrasounds would have any contribution in triggering them.

After I presented the invention to him, academician Constantin Ionescu Targoviste told me that he would want such a chamber, the size of a microwave oven, where he could place various biological samples (tissues, bacterial cultures or the like) and perform experiments compared to samples left in the normal environment. That is, to do biological tests on meteosensitivity.

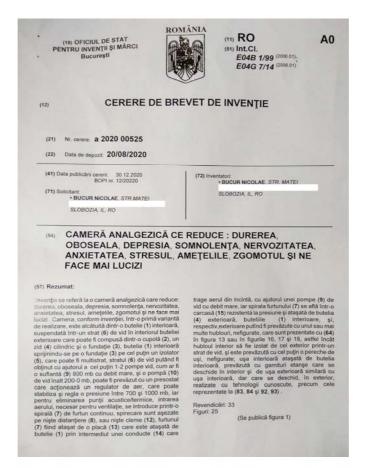
One of the tests I would like to do is on the aging process in humans. Specifically, what effect do infrasounds and noise have on the aging of joints, wrinkles, on vision and mental abilities, on memory.

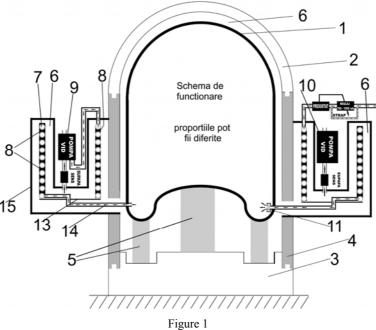
Patients with fibromyalgia and chronic fatigue (diseases with unknown causes) have memory problems. I personally believe that these conditions are caused by infrasound. If I'm right, then the chamber would improve the memory of patients with fibromyalgia or chronic fatigue.

It would also be interesting to test what effect it would have on cancer, Alzheimer's, Parkinson's, autoimmune diseases, degenerative diseases, dementia and other diseases. When we have a new tool, we can find all kinds of uses that do not cross our minds at the moment. If this chamber worked, we could verify many misteries in medicine. We could do a lot of experiments with the about 500 enigmatic diseases.

# THE ANALGESIC CHAMBER CAN REDUCE LAZINESS, MAKE US MORE INDUSTRIOUS, MORE PRODUCTIVE, MORE EFFICIENT, MORE LUCID, SMARTER AND MORE ENERGETIC

I have studied laziness for 13 years and I have discovered since 2010(5) that, at lower altitudes, people are lazier than in the mountains. From the studies made, it is a certainty that, at 700–800 mb, people are more diligent than at 1000 mb. This information is 100% true, it has been verified for 10 years, including in opinion polls, on hundreds of people. In November 2017, this information was publicly presented by academician Constantin Ionescu Tirgoviste, in the gallery of the Romanian Academy Hall, before a room full of researchers, physicians and academics.





One of the abilities of the chamber is that it can reduce and stabilize the atmospheric pressure, between 700 and 1000 mb.

If we reduce the pressure in the chamber, the occupants will be more industrious, more

productive, more efficient, more lucid, smarter and more energetic.

Employers who will have such a chamber will increase labor productivity, will increase creativity, quality and efficiency of work.

I built such a chamber in 2009 and tested it for 5 years. However, it was not with infrasonic insulation. It only reduced the pressure to 800 mb with a vacuum pump.

So, people at 700 millibars are more diligent than at 1000 mb. And, at lower pressures, infrasounds are more anemic.

### **CONCLUSIONS**

Imagine a jet plane that takes off and makes 120 decibels of noise. The best window insulates only 50 decibels. The vacuum cleaner can have between 60 and 75 decibels, and the most expensive window does not insulate us even from a vacuum cleaner. A lawn mower or chainsaw has about 100 decibels. And the anechoic chamber built by Microsoft costs 1.5 million dollars and insulates only 120 Db (6), this being the most efficient chamber in the world. If we manage to build it with 100% efficiency, the analgesic chamber should produce a leap in isolation, as the leap from bicycle to car was.

It is said that, in Heaven, nature was not hostile to man, and Adam and Eve did not know pain, suffering, death and work was not a chore. It is obvious that there were no diseases, meteosensitivity and no infrasounds in Heaven, and people lived 800 years. The big question is how will a meteosensitive feel in the absence of infrasound and electromagnetic radiation, and how many years will he / she live? Currently, the Earth's atmosphere is infested with infrasonic and electromagnetic smog, produced by natural and artificial phenomena that I believe is the cause of fibromyalgia and chronic fatigue (1,4) described in detail in Vremea meteosensibililor.

Summary of the invention (according to OSIM's drafting rules) as published.

The chamber, according to the invention, in a first embodiment, is made up of an inner cylinder (1), suspended in a vacuum layer (6) inside the outer cylinder which may be composed of a dome (2), a cylindrical wall (4) and a foundation (3), the inner cylinder (1) resting on a foundation (3) on at least one insulator (5), which can be multilayer, the vacuum layer (6) being able to be obtainable with the help of at least 1 - 2 vacuum pumps, such as a high flow blower (9) of 800 mb, and a 200-0 mb high vacuum pump (10), can be provided with a pressure switch that operates a pressure regulator

air, which can stabilize and adjust a pressure between 700 and 1000 mb, and, to eliminate the acoustic / thermal bridge, the air inlet, necessary for ventilation, is introduced through a spiral (7) of continuous hose, which are placed on some spacers (8), or some clamps (12), the hose (7) being attached to a plate (13) which is attached to the cylinder (1) by the intermediary of a pipe (14) that draws the air from the enclosure by means of a high-flow vacuum pump (9), and the hose coil (7) is housed in a pressure-resistant housing (15) and attached to the outer cylinder (4), the outer cylinders respectively may be provided with one or more portholes, not shown, which are shown by (64) in Figure 13 or Figures 16, 17 and 18, so that the inner porthole is isolated from the outer porthole by a vacuum layer, and is provided with at least one pair of doors, not shown; the inner door attached to the inner cylinder, provided with sealed gaskets which open on the inside and the outer door similar to the inner door, but which open, on the outside, made with known technologies, such as those represented in (83, 84 and 92, 93). Claims: 33 Figures: 25 (Figure 1 is published)

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