

Catalogue Of EU Technology: Medical Appliance 2010

If Open Innovation is your Strategy, DELTATECH is your Partner.



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Vaccine delivery device targeting the Lymph node dendritic cells

피부를 통한 미세약물 전달 기술

Description

- Innovation is a needle-free transdermal delivery technology for liquid substances
- Effective vaccine delivery to the lymph node dendritic cells
- To facilitate the penetration of substances the skin is cleansed and that serves to retain the liquifoliated prior to application of the empty dressing d in a moist environment.
- A medical device to improve and modernize vaccine administration via skin scarification. This medical device combines a special skin preparation safely mimicking an epidermal injury with a semi-occlusive patch that permits needle-free administration of a variety of vaccines with subsequent antigen targeting to the lymph node dendritic cells.

Diagram



Advantages

Feature	Benefit
Needle-free transdermal delivery	Painless
Active ingredient is applied directly under the patch before use	No need for co-formulation
Dose is adjusted by the volume, concentration, patch size or number of patches	Easy to use(handle)

Development Status

- ◆ Patents/Rights : Patent(s) granted
- ◆ Nation : Hungary

Transfer Forms

License Agreement ,Testing of new applications, Adaptation to specific needs

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Improved Mandibular Advancement Device (MAD) 코 골이 치료용 아래턱뼈 보조 기구

Description

- Innovation is used in the treatment of chronic snoring and Sleep Apnoea-Hypopnoea syndrome while sleeping
- The use of intraoral devices in the treatment of "airway" obstructive disorders consists of two dental mini orthodontics appliances that are attached with a small clip. This system regulates the patient's lower jaw in a forward position to prevent snoring and SAHS while wearing it during sleep.
- It constitutes the creation of an about 100% efficient device for the treatment of chronic snoring and Sleep Apnoea-hypopnoea (SAHS).

Diagram



Advantages

Feature	Benefit
<ul style="list-style-type: none"> • Nearly 100% efficient in the treatment of snoring, • Easy adaptability and comfortable fitting onto teeth, minimum amount of parts 	<ul style="list-style-type: none"> • Easy to use • Easy to manufacture
<ul style="list-style-type: none"> • Great versatility movements • Easy and economical manufacture and assembly. 	<ul style="list-style-type: none"> • Fast adaptation and less side effects. • Cost-effective

Development Status

- ◆ Patents/Rights : Patent(s) applied for but not yet granted
- ◆ Nation : Spain

Transfer Forms

Absolutely novel process, New way to use an existing production line, manufacture and commercialize the product.

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Suite of devices polarized light for therapy, cosmetic treatment at home

가정용 미용치료 위한 편광장치

Description

- Innovation is a polarized light apparatus for therapy, cosmetic treatment at home
- The treatment for Dermatological (피부 병 학)affections: acne, allergies, cellulite, termites, herpes
- Rheumatic diseases and overstressing of articulations and of muscles: muscular cramps, lumbago, rick, cricks.
- General effect of fatigue reduction
- Polarized light conveys more energy to human cells giving its a highest possibility to fight against aggressions and to re-establish post aggression.

Because the U.V. component of the light could have also negative effects, the apparatus excludes this one. The polarized light used for treatment contains only visible light and a part from infrared component, witch can deeply penetrate the human body and has an increase effect in rheumatic diseases.

Diagram



Advantages

Feature	Benefit
Using polarized light	<ul style="list-style-type: none"> • High efficiency (conveys more energy) • Low cost • penetrate the human body well
Easy to maneuver	No need to have medical knowledge
No secondary effects, good electric security degree	Safe

Development Status

- ◆ Patents/Rights : Patent(s) granted
- ◆ Nation : Romania

Transfer Forms

License Agreement, Technical consultancy, Joint further development, Testing of new, applications, Adaptation to specific needs, Joint Venture Agreement

Contact Details:

Yong Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Therapeutic medical device for the relief of tinnitus

귀 울림(이명) 완화용 의료기기

Description

- Innovation is a medical device of alleviation or even complete relief of tinnitus (ringing in the ears).
- Stimulate the internal ear and acoustic nerve using weak electric current.
- Apply the long known and recognized therapeutic principle of electromagnetic-stimulation in the treatment of tinnitus
- Simple and completely without risk.
- The patient is saved the journey to the clinic or surgery with the corresponding waiting hours as he can apply this therapy device whenever he wishes, at home, on holiday or wherever else. With this therapy device, both during and after treatment
- The part of the device with healing effect (the so-called applicator) consists of two live inductors which create a low-frequency electromagnetic alternating field with defined frequencies. These inductors are built into the headphones so that, when in place, they rest on the mastoid part of the temporal bone behind the ears. When activated an induced current with healing effect is produced around the inductors.

Diagram



Advantages

Feature	Benefit
Low price, self-applied, high rate of success, short therapy period of 3 - 4 months,	<ul style="list-style-type: none"> • Easy to use • Cost-effective
<ul style="list-style-type: none"> • Not dependant on location, time, age, • No negative side effect 	Handy , Safe

Development Status

- ◆ Patents/Rights : Patent(s) granted (PCT, American and Canadian Patent)
- ◆ Nation : Austria

Transfer Forms

License Agreement, Joint further development

Contact Details

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Skibob designed for people with physical or mental disabilities

장애인 용 스키봅

Description

- Skibob (ski bike) innovation is aimed specifically at the physically or mentally handicapped user to access to winter sports (ski)
- Can be used for both riders (healthy, disabled) one
- The company has 31 years of experience in skibob industry.

Diagram



Advantages

Feature	Benefit
Aluminium frame	Light weight, highly stable construction
Ergonomic seat, adjustable forwards and backwards, Rear ski angle adjustment	Adjustable to a person regardless of height, weight
Fully adjustable framework for height, forwards and backwards	Comfortable

Development Status

- ◆ Patents/Rights: Patent(s) granted
- ◆ Nation : Austria

Transfer Forms

Technical consultancy, Maintenance, Joint Venture Agreement

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Technology of restore biomechanical balance of every articulation 생체 균형 발음 교정기

Description

- Innovation is an articulation device able to restore metabolic balance of every articulation pain by using the influence of facial temporo mandibular joints (TMJ).
- U-shaped plastic device must be adjusted between molars and inner parts of jaws.
- Three simple exercises need to be performed every day (2 minutes a day). It can also be kept in the mouth, gently clenched, walking slowly 10 to 15 seconds a day.
- With daily use of the product during 3 months, the body correction is done.

Diagram



Advantages

Feature	Benefit
<ul style="list-style-type: none"> • Restores biomechanical balance of every articulation in an unpainful way • Daily use of the product during 3 months , body correction is done 	<ul style="list-style-type: none"> • Easy to use • Inexpensive
Repositioning of articulations' balance	The physiology of our body is recovered

Development Status

- ◆ Patents/Rights : Patent(s) granted
- ◆ Nation : France

Transfer Forms

Assembly, Engineering, Technical consultancy, Quality control, Maintenance, Financial Resources

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Transparent pressure bandage for emergency and military fields 투명 압박 붕대

Description

- Innovation is a pressure bandage to control bleeding of wounds.
- Bandage material is linear low-density polyethylene (complete visibility of the wound)
- Due to the choice of material, the product is self-adhesive and do not require any bandage holders.
- The pressure bandage is manufactured of linear low-density polyethylene (LLDPE). This ensures complete visibility to the wound and it is easy to confirm if the bleeding has stopped and / or how the healing process has began.

Diagram



Advantages

Feature	Benefit
Transparency	Confirmation that the bleeding has truly stopped
Bandage can be cut simply by pulling it	Easy to use
By Rolling, it will not loosen by itself.	Self-adhesive

Development Status

- ◆ Patents/Rights : Patent(s) applied for but not yet granted
- ◆ Nation : Finland

Transfer Forms

Technical consultancy

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Medical product to aid natural sleep and the prevention of sleeping disturbances, hyperactivity and aggressiveness

EEG 파장 활용한 수면 보조 장치

Description

- A new electronic for better and natural sleep, health, relaxation, prevention against different sleeping disturbances and hyperactivity by using electronic EEG-waves transmitter.
- Treatments for insomnia and other sleep-related or activity disorders.
- Electronic EEG-waves transmitter. It is placed at an approximate distance of between 0,5 m and 1,20 m from a patient's head. An EEG frequency programme is then chosen and runs for a set length, switching off automatically.
- The transmitted frequencies stimulate the brain and synchronise the two separate cerebral hemispheres. A change and relaxation effect can be clearly noticed in the first 10 minutes of use.

Diagram



Advantages

Feature	Benefit
No physical or negative side effects associated with mainstream medicine.	Safe
<ul style="list-style-type: none"> • Other benefit: • Runs for a set length, switching off automatically. • Can be used to address a wide range of every day and medical applications. 	

Development Status

- ◆ Patents/Rights : Secret know-how
- ◆ Nation : Austria

Transfer Forms

Technical consultancy, Joint further development, Testing of new applications, Adaptation to specific needs, Financial Resources

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

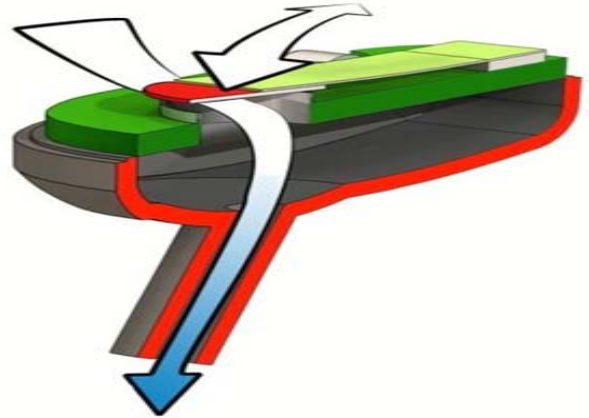
Sound control technology for individual hearing protection

청각 보호를 위한 소음 제어 기술

Description

- Innovation is a range of components for passive and dynamic hearing protection units..
- Acoustic matching :
Acoustic matching is used to determine optimal transducer performance or attenuation of hearing protectors. The company developed in-depth know-how to design and test customized channels and components for hearing protectors. This enables to actively match the eardrum pressure response to target curves to deliver the best natural sound
- Dynamic hearing protection :
This technology is based on a electronically controlled miniature acoustic valve that controls the in-ear sound level to the safe and desired number of decibels. This technology does not require sound processing to a transducer. The original sound as reaches the ear passes through a specially designed channel into the ear

Diagram



Advantages

Feature	Benefit
Flat damping characteristic	<ul style="list-style-type: none"> • Delivering the best natural sound • Reducing unwanted low frequency sounds, like engine noise
Full hearing protection is possible	Reduced fatigue, better ability to focus, reduced risk of hearing damage and increased safety

Development Status

- ◆ Patents/Rights : Patent(s) granted
- ◆ Nation : Netherlands

Transfer Forms

Change in the partner sought's currently used technologies (installations, process, facilities),
Assembly, Engineering, Technical consultancy, Quality control

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

The next generation of autoinjectors

차세대 자동 주사기

Description

- Innovation is technology of autoinjector
- Overcome the issues found with 1 ml glass syringe systems
- Eliminates the problem of contamination with rubber, silicone, glue, and tungsten compared with glass
- The technology combined with cyclic olefin completely eliminates the problem of contamination caused by rubber, silicone, glue, and tungsten, which are found in the glass system. The design also reduces oxygen ingress and has been perfectly engineered to provide an adaptable system for use with many drugs for example: " Fragile novel biologics" Biosimilars" Generic drugs e.g. Growth Factor or heparin" Crisis drugs e.g. epinephrine in anaphylaxis or opiates for pain

Diagram



Advantages

Feature	Benefit
1ml to 10ml can be delivered using the autoinjector	• High efficient
Design also reduces oxygen ingress and has been perfectly engineered to provide an adaptable system	• Cost effective
Others benefit: better penetration and competitive , improving patient preference	

Development Status

- ◆ Patents/Rights : Patent(s) applied for but not yet granted (Available for demonstration)
- ◆ Nation : United Kingdom

Transfer Forms

License Agreement, Adaptation to specific needs

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Fast electrocardiography system for ECG measuring without direct skin contact

비 접촉 심전도 진단 시스템

Description

- Innovation is a capacitive ECG system which enables measurement with ECG without direct skin contact. ECG measurement can be accomplished through clothes, which leads to a faster proceeding in emergency cases
- Displayed signal can be used and interpreted on the PC by the doctor.
- Combined with a tablet-pc, which displays the direct measured signals chronological and spatial
- A new system with capacitive electrodes which is able to measure charge transfers on the body surface through an insulating layer. The electrodes are combined with a tablet-pc, which displays the direct measured signals chronological and spatial. The compact and portable assembly enables easy measuring by simply placing of the system on the patient. The displayed signal can be used and interpreted on the PC by the doctor. For later analysis the data can be saved.

Diagram



Advantages

Feature	Benefit
Measurement process	Time saving
Measuring through cloth.	Reduced preparation time
Compact and portable assembly	<ul style="list-style-type: none"> • Easy measuring • Fast access for a multi-lead ECG

Development Status

- ◆ Patents/Rights : Patent(s) applied for but not yet granted (field tested)
- ◆ Nation : Germany

Transfer Forms

License Agreement

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

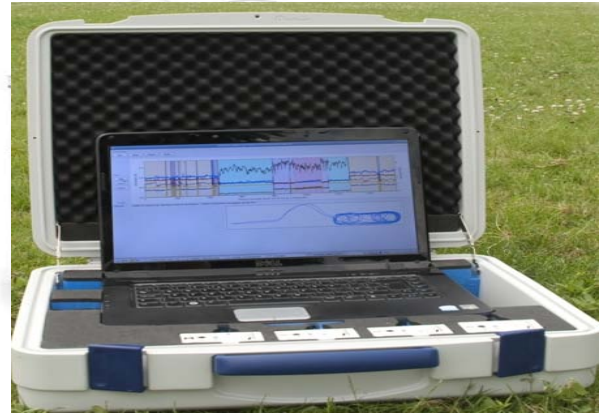
Gait Analysis system the tool for research, diagnosis, monitoring and training

걸음걸이 진단 장치

Description

- Innovation is a medical device able to monitor specific aspects of human gait (e.g. stride duration, temporal phasing, knee flexion angle etc.)
- The robust wire-free, low cost system uses small self-contained data capture sensors that can operate for a whole day on one battery charge. industry.
- Most motion data capture systems that are used have annoying/practical limitations. These include issues such as the need for a linking cable (or tether) that restricts normal human motion, the different user response when subjects are monitored/analyzed in an unnatural environment.
- The new low cost system uses lightweight (51 gm) sensors, is self contained and allows for the capture of unrestrained human motion data. Multiple units can be set up allowing for complete motion of a body to be captured (e.g. both legs and hips of a human).

Diagram



Advantages

Feature	Benefit
<ul style="list-style-type: none"> • The system needs minimal set-up time • Automated reports produced in minutes 	Saving time
Robust wire-free, low cost system	Can be used anywhere, Inexpensive
Robust system	Can be used in different terrains , and frees the tester to concentrate on analysis rather than test supervision.

Development Status

- ◆ Patents/Rights : Others
- ◆ Nation: United Kingdom

Transfer Forms

License Agreement, Technical consultancy, Financial Resources

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Portable disinfection system for lung ventilators and respirators at home

호흡기 위생 살균 장치(가정용)

Description

- Innovation is disinfection technology of flow raising components of lung ventilators and respirators to guarantee hygienic safety
- In practice, microbiological investigations at respirators and lung ventilators show that more than 40 % of all devices are contaminated during the employment. "Any medical product that has been already been used with another patient is potentially contaminated with reproductive human pathogens. Special handling and reprocessing of the device is essential to protect the next patient, user or third parties"
- As a perfect solution for this problem, a bacteria reduction system was developed.
- The portable disinfection device is a microprocessor controlled unit which produces ozone as a reactive particle and disinfects the lung ventilator in a closed circle.
- How does it work?
The disinfection system for lung ventilators in 5 steps:
Step 1: The contaminated device is delivered and then is unpacked and cleaned with the appropriate caution (10 min)
Step 2: All accessible parts come under a surface disinfection. The surface is disinfected by wiping or by spraying (15 min)
Step 3: Now the non-accessible parts are disinfected by means of a new method (60 min)
Step 4: After disinfection of the interior parts of the device the highly effective disinfection gas needs to dissipate. Afterwards the device is completed and packed.
Step 5: Device is now re-usable for repairing or storage.

Diagram



Advantages

Feature	Benefit
Disassembling of the breathing device no longer necessary	Comfortable, Easy to use
<ul style="list-style-type: none">Minimal downtimes of the technology: Reusable (after 1 h)Disinfection immediately and at any time	High efficiency
<ul style="list-style-type: none">Monitoring of ambient air for user safetyProcess control of the bacteria reduction	Safe

Development Status

- ◆ Patents/Rights : Secret know-how
- ◆ Nation : Germany

Transfer Forms

Joint further development, Testing of new applications, Adaptation to specific needs, Joint Venture Agreement

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Double Sided Steam Autoclave with Slipping Covers

양 측면 수증기 발생한 멸균기

Description

- Innovation is a sterilization device able to run 24 hrs with saturated steam under control with full automatic PLC microcomputer CPMC Programmable logic controller.
- During the running of the autoclaves, all the temperature and time values of a sterilization program can be followed from touch screen control/displays and all the needed settings can be done by using this screen
- Their steam autoclaves can give values like time, phase duration, heat as a print out from its integrated printer. In addition, with an external fax-modem internet connection, programs can be added and the necessary corrections, withdrawn of all the needed data about a malfunction can also be done. Their steam autoclaves give potential malfunction which has high possibilities in an autoclave from touchmatic screen by showing visual massages. It describes the correction method of these malfunctions as visual warnings. Also in their steam autoclaves all sterilization phases can also be achieved manually. The stepping of each sterilization phase can be by activating a button located on the manual control panel.

Diagram



Advantages

Feature	Benefit
All the temperature and time values of a sterilization program can be followed from touch screen control/displays	Easy to maneuver
Describes the correction method of these malfunctions as visual warnings.	Easy to detect problem

Development Status

- ◆ Patents/Rights : Patent(s) granted
- ◆ Nation : Turkey

Transfer Forms

Technical consultancy, Quality control, Maintenance, Joint further development, Testing of new applications, Adaptation to specific needs, Joint Venture Agreement,

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Medical device for rehabilitation of stroke symptoms & phantom limb pain

급 발작 및 신경성 수족 병 재활 치료기

Description

- Innovation is a rehabilitative device with a monocular-vision-prism glasses.
- The prism incorporated into one lens and a blank insert on the other lens can be used to perform physical therapy.
- The prism inverts the field of view through e. 180 degrees around the vertical axis.

The wearer sees their functional side of their

body appearing as the side of their body that does not function correctly.

This creates the illusion that it is their affected limb and can be used to perform physical therapy By performing exercises whilst looking at the image, the user can help to relieve pain and also help to regain movement of arms and legs, for example limbs affected by a stroke

- Patients, doctors, physiotherapists and scientists have found mirror therapy to be an effective way to relieve phantom limb pain and encourage recovery of movement after stroke.

Diagram



Advantages

Feature	Benefit
Repeated use of the prism glasses as part of rehabilitation treatment	Quicker and fuller recovery
<ul style="list-style-type: none"> • Fit neatly into a pocket • Use with both arm and leg conditions 	Portable

Development Status

- ◆ Patents/Rights Patent(s) applied for but not yet granted
- ◆ Nation : United Kingdom

Transfer Forms

License Agreement, Looking for partners (including distributors) who have an established reputation in supplying medical technology, to take the prism glasses to the market in Europe.

Contact Details

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Innovative fistula pressure aid

혈관 압박 보조기

Description

- Fistula pressure aid is used for mainly within dialysis health care especially after dialysis (AV) treatment
- Clean easily and reusable.
- Not to cause allergic reactions and fulfils regulatory demands for medical devices

Diagram



Advantages

Feature	Benefit
The strap is adjustable and as a result applies an even pressure every time and allows increased freedom for the patient	Reusable and comfortable
<ul style="list-style-type: none"> • It replaces pressing by hand. 	<ul style="list-style-type: none"> • Easy to use • Ergonomic benefits for the health care workers

Development Status

- ◆ Patents/Rights : Others
- ◆ Nation : Sweden

Transfer Forms

Technical consultancy

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Rehabilitative and compensation device with physical therapy 재활치료기

Description

- Innovation is a device that combines the possibility to position a patient on his/her Bed with a special anti-decubitus therapeutic mat and physical therapy that uses three Physical quantities in a highly synchronized way multifunctional unit .
- These are thermotherapy, magnetotherapy and phototherapy.
- This is the first device of its kind in the world
That combines the possibility to position a patient on his/her bed with a special anti-decubitus. therapeutic mat and special physical therapy method that uses coordinated effect of three physical therapies simultaneously in a way that complexly simulates peripheral nervous system together with blood circulation system. These are 1) Dry thermotherapy (regulated warmth effecting whole organism), 2) Pulse magnetotherapy (pulse electromagnetic field effecting whole organism) and 3) Phototherapy (Generator of colorful light for local use).
- The main areas of use of the this therapy are: treatment of chronic painful conditions, disorders of locomotory apparatus – rehabilitation, cardiovascular diseases (e.g. improvement of heart's EF, coronary arteries), skin diseases and treatment of wounds (e.g. eczema, psoriasis, Epidermolysis bullosa), neurological disorders (e.g. post-cerebrovascular stroke conditions, Parkinson's disease), geriatrics and combined diseases, sport medicine, wellness and ambulatory application.

Diagram



Advantages

Feature	Benefit
<ul style="list-style-type: none"> • Uses coordinated effect of three physical therapies simultaneously • 1) Dry thermotherapy • 2) Pulse magneto therapy • 3) Phototherapy 	Time saving
suitable for prolonged home use and not require professional manipulation	Easy to use

Development Status

- ◆ Patents/Rights : Secret know-how
- ◆ Nation : Czech Republic

Transfer Forms

License Agreement, Technical consultancy, Joint further development, Testing of new applications, Adaptation to specific needs, Financial Resources

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Cardiac rehabilitation system

심장 회복훈련 시스템

Description

- Technology is a Multi – stand cardiological motion rehabilitation and therapeutic(치료) motion rehabilitation to solve problems with rehabilitation of patient's group.
- Biomedical data transmission and control signals between its elements is completely wireless.
- It assures, during training, individual course of exercise and medical supervision for every patient within the training group, as well produces training course documentation attached to the patient's individual database. The system increases comfort of medical staff, through automation most of necessary action e.g. using card reader to associate patient with ergometers. It enables very flexible and simple, graphic method of training course designing for each stand and possibility of creating and using the templates.
- To define the training different parameters, dependently on chosen training type, are determined: each stage duration time, load, increase of load, maximal HR, automatic blood pressure measurement points and prompts of manual pressure measurements.
- The product can be used in the medical and rehabilitation environment as well

Diagram



Advantages

Feature	Benefit
Real time of data transmission and control system and thanks to chip cards with specific data	High reliability of rehabilitation conducting and ensures safe patient's identification to his rehabilitation procedure,
<ul style="list-style-type: none"> • Interval trainings • Trainings with heart rate stabilization, 	Safe and comfortable

Development Status

- ◆ Patents/Rights : Patent(s) granted
- ◆ Nation : Poland

Transfer Forms

Technical consultancy

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Highly innovative Non-robotic minimal invasive surgery assistance system

리스크 최소화 외과 수술 정보시스템

Description

- Innovation is a surgical assistance system designed for minimal invasive surgery MIS application, regarding risk management analysis and documentation.
- The device is a non-robotic surgical assistance system, developed for endoscopic surgery in the field of MIS. It has an external switch, to release and fix the position of the arm, with only the force of a fingertip. This underlines the capabilities of the system as the fastest and easiest surgical assistance system for MIS applications in the world (about 20-times faster than all other available systems, 20ms fixation and releasing time for all joints).
- The device enables a very fast repositioning of any endoscope and is very easy to use as it is maneuverable with only one hand. Due to the self-stabilization of the system steady and calm endoscope camera images for the surgeon are realized.

Diagram



Advantages

Feature	Benefit
<ul style="list-style-type: none"> • 20ms to fix the position of the Endoscope in any position. • Enables a stable view of the situs 	Safe
<ul style="list-style-type: none"> • Works with any endoscope and camera • A single hand operation possible 	Easy to use
Other Innovations and advantages of the offertage: Maintenance free, Light weight, highly stable construction	

Development Status

- ◆ Patents/Rights : Secret know-how
- ◆ Nation : Germany

Transfer Forms

License Agreement, Technical consultancy, Maintenance

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

Hydrotherapy, Spa treatments, wellness therapies, professional treatment and rehabilitation of people with various disabilities and illnesses

스파 치료기

Description

- Innovation is a shower-treatment device used for calming, relaxing, inuring and toughening procedure in cases of neurosis, insomnia or neuralgia.
- used as calming, relaxing, inuring and toughening procedure foreseen in cases of such diseases as neurosis, insomnia or neuralgia.

Diagram



Advantages

Feature	Benefit
Made of high-quality materials, equipped with a pump that ensures a sufficient water pressure and a system	Preventing from unwanted start
Equipped with an steering panel that can be adjusted to the end user's needs by adding new characteristics to it.	Can be used according to costumer's need

Development Status

- ◆ Patents/Rights : Secret know-how
- ◆ Nation : Poland

Transfer Forms

Change in the partner sought's currently used technologies (installations, process, facilities), Assembly, Engineering, Technical consultancy, Quality control, Maintenance, Joint further development, Testing of new applications, Adaptation to specific needs, Joint Venture.

Contact Details:

Yong Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

High-quality rotation massage bath units (tubs) for underwater rotational massage of limbs and spine

수족과 척추 마사지 욕조

Description

- Innovation is a High-quality medical rotation massage bath
- Rotating warm and cool water massages the body in order to relax muscles
- Can be used for Rehabilitation of limbs post-traumatic states, nervous disorders and/or muscle and nervous system strain.
- The medical treatment with the offered devices is used in health procedures where warm or cool water and its mechanical influence connected with rotational movements are used.
- The treatments are done in special appliances that are designed for upper/lower limbs and spine massage. Rotating warm water massages the body in order to reduce swelling and relax muscles as well as stimulate the circulation in peripheral vessels.

Diagram



Advantages

Feature	Benefit
<ul style="list-style-type: none"> • High efficiency draining and filling systems • Ideal for home use. 	<ul style="list-style-type: none"> • Water and energy efficient • Convenient
Has innovative nozzles that control the direction and strength of water stream; de-sedimentation systems	Water and energy efficient

Development Status

- ◆ Patents/Rights : Secret know-how
- ◆ Nation : Poland

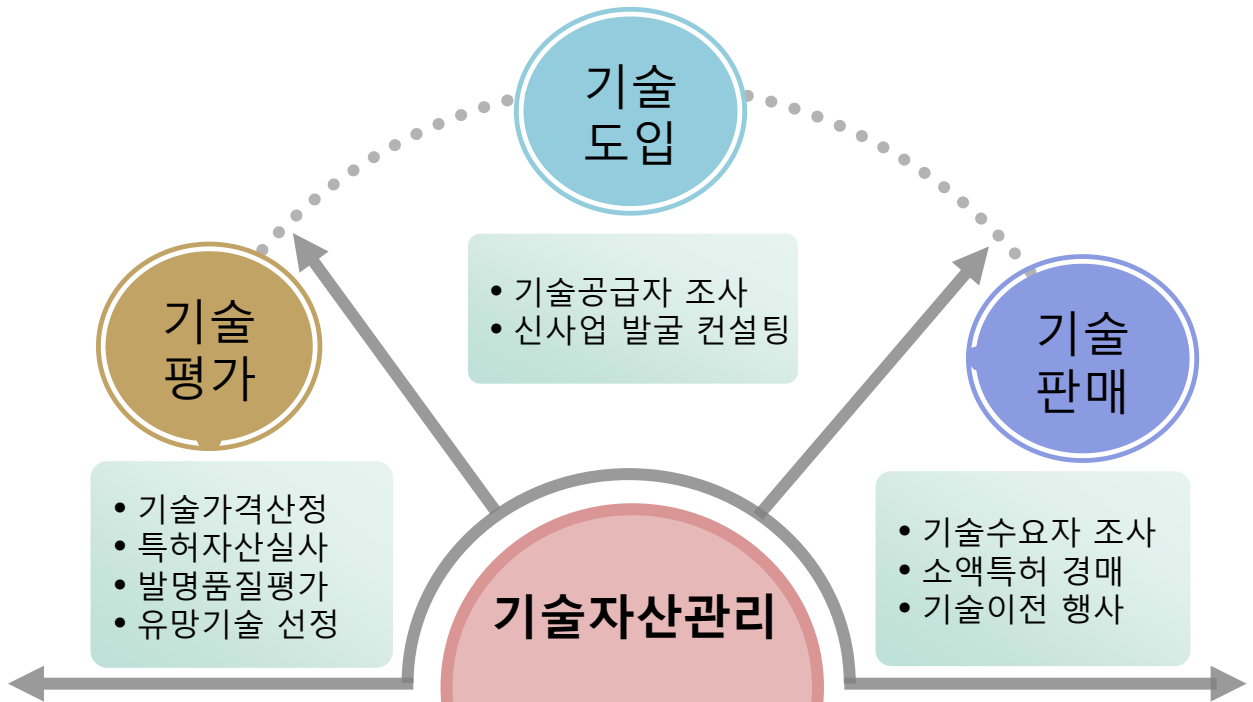
Transfer Forms

Assembly, Engineering, Technical consultancy, Quality control, Maintenance, Joint further development, Testing of new applications, Adaptation to specific needs, Joint Venture.

Contact Details:

Yong-Uk Kim Researcher / DeltaTech-Korea Ltd. (82-2-3278-2703 / ywkim@dtk3.com)

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구분	서비스	내용
기술도입	신사업아이템 발굴	기업성장을 위해 어떤 기술을 가지고, 어떠한 사업분야에 진출해야 하는지, 핵심역량과 기회 요인을 최대한 활용해서 맞춤형 유망 사업 테마를 선정
	기술공급자 조사	기술수요자가 필요한 특허기술을 외부 연구기관으로부터 조달하고자 할 때 △기술공급기관과 △공급기술 개요를 조사 대행 함
	기술사업성 평가	새로운 기술에 대한 △경제성, △권리성, △대체성 등의 요인에 대한 기회요인과 위험요인을 종합적으로 분석한 뒤 해당 기술에 대한 미래 사업 잠재력을 도입기업 입장에서 사업성 진단