

Search history

Search 1: SFT=(massage 2w head and skin and vibratio*) (Results 234)

1) Family number: 34256094 (US2008146977A)

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SERUM DISPENSING AND MESSAGE DEVICE

Abstract: Source: US2008146977A A device dispenses serum onto the skin of a user, and also provides a massage effect. The device comprises a housing 12 which is to be hand held and a **massage head** 16. A powered drive 46 is mounted by or in the housing and operatively coupled to the **massage head** to cause it execute a massage motion. Preferably, the massage motion is rotary. The device has at least one serum dispensing outlet and a pump mechanism, comprising a piston 114 and a cylinder 100, arranged to draw serum from a reservoir and to dispense it through the dispensing outlet. A user-actuatable member 116, formed by the **massage head** itself, is movably mounted upon the housing and operatively coupled to the piston, so that by means of the user-actuatable member the user can move the piston and so cause a dose of serum to be dispensed.

Probable Assignee: CRYSTAL CLEAR INT LTD

Earliest Publication Date: 20071017

2) Family number: 44328531 (US2010036298A)

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MESSAGE HEAD AND MESSAGE APPARATUS EMPLOYING SAID HEAD

Abstract: Source: US2010036298A This **massage head** is fitted with a case defining an internal chamber in which a skinfold is formed when it is applied to the skin of a patient. The fold presses against the lower edges of the chamber, which is defined by two lateral walls and by two transverse walls. The transverse walls each include a clack valve able to be driven in a pivoting motion, so as to cause the lower edges of the clack valves in contact with the skinfold to come closer together or move further apart. The relative displacement of the clack valves is ensured by of a motorized rotary cam provided in the **massage head**. The cam defines a cam path engaging with a component associated with the clack valves, and able to cause the swivelling motion thereof.

Probable Assignee: LPG FINANCE INDUSTRIE

Earliest Publication Date: 20100208

3) Family number: 54120665 (US2013158450A)

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TREATMENT OF HEADACHE DISORDERS

Abstract: Source: US2013158450A A method for treatment of a headache disorder in a human subject is provided. The method comprises a) selecting a treatment area in the nasal cavity of the human subject; b) providing a stimulation member arranged for vibration stimulation of the selected treatment area; c) introducing the stimulation member into a nasal cavity of the human subject; d) expanding the stimulation member to exert a pressure on tissue of the selected treatment area; and e) bringing the stimulation member to vibrate in the nasal cavity to impart vibrations to the selected treatment area.

Probable Assignee: CHORDATE MEDICAL AB

Earliest Publication Date: 20130620

4) Family number: 8504245 (EP0641555A1)

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HAND HELD MASSAGER WITH ROTATING HEAD.

Abstract: Source: EP0641555A1 A vibrating, rotating massager (1). The massager (1) includes a vibration means (20) mounted to a fixed axle (16) about which a spherical **massager head** (30) rotates. The vibration of the **massage head** (30) is isolated from the handle (10) of the massager (1) by elastomeric bushings (14).

Probable Assignee: SUNBEAM CORP

Earliest Publication Date: 19950304

5) Family number: 33436136 (US2003163068A)

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TOTAL SKIN MANAGEMENT SYSTEM AND TOTAL SKIN MANAGEMENT METHOD USING THE SAME

Abstract: Source: US2003163068A The present invention relates to a skin management system, and in particular to a total skin management system and a total skin management method using the same which are capable of checking a state of skin and comprehensively managing a skin based on a type of skin. In addition, the present invention relates to a total skin management system and a total skin management method using the same which are capable of checking a state of skin and classifying the skin into numerous types by integrating and controlling the functions of a skin check, far infrared ray massage, ozone massage, low frequency massage, low frequency **vibration massage** and ultrasonic wave massage and comprehensively managing the functions of a skin cleansing, skin management, skin nutrition and skin elastic force increase through a certain skin exercise corresponding to a structure of skin based on a skin cell activity and metabolism in a proper combination with the functions of an infrared ray massage, ozone massage, low frequency wave massage, low frequency **vibration massage** and ultrasonic wave massage based on the checked type of skin.

Probable Assignee: HWAJIN COSMETICS CO LTD

Earliest Publication Date: 20020624

6) Family number: 65324564 (WO17054009A1)

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NEEDLING DEVICE AND DRUG APPLICATOR

Abstract: A needling device may be used for needling of a subject's skin, and a drug applicator device may be used for applying a drug to a subject's skin. For example, a needling device may be applied to a subject's skin for hair growth applications, or may be used for wrinkle, scar, or tattoo removal. A drug applicator device may be used for multiple drug application purposes such as applying a hair growth compound to the skin of a subject.

Probable Assignee: FOLLICA INC

Earliest Publication Date: 20170330

7) Family number: 61056489 (US2017087047A)

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MESSAGE HEAD AND MESSAGE APPARATUS USING SUCH A HEAD

Abstract: Source: US2017087047A A **message head** including a casing forming an internal chamber defined by a back wall, two lateral walls, and two transverse walls, and open on its surface opposite to the back wall, and having a skinfold formed therein when the head is applied to a patient's skin. The head is formed of two modules provided with means capable of enabling to reversibly fasten them to each other. Each of the modules integrates a functional element defining one of the transverse walls of the internal chamber.

Probable Assignee: LPG SYSTEMS

Earliest Publication Date: 20151210

8) Family number: 41746578 (US2008132814A)

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MESSAGE UNIT FOR A BACKREST, INCLUDING A BACKREST OF A CHAIR AND A PORTABLE BACKREST

Abstract: Source: US2008132814A A massage unit wherein at least some of the **massage heads** are pivotally moveable in an arc about an axis in a plane generally parallel to the front face of the massage unit and the **massage heads** are independently moveable in a direction generally perpendicular to the front face.

Probable Assignee: HOMEDICS GROUP CANADA CO

Earliest Publication Date: 20080418

9) Family number: 63726277 (WO12024169A2)

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NON-INVASIVE TREATMENT OF BRONCHIAL CONSTRICTION

Abstract: Devices, systems and instructing methods are disclosed for treating bronchial constriction related to asthma, anaphylaxis or chronic obstructive pulmonary disease. The instructing method for treatment comprises transmitting impulses of energy non-invasively to selected nerve fibers that are responsible for smooth muscle dilation. The transmitted energy impulses, comprising magnetic and/or electrical, mechanical and/or acoustic, and optical and/or thermal energy, stimulate the selected nerve fibers.

Probable Assignee: ELECTROCORE LLC

Earliest Publication Date: 20120223

10) Family number: 33369247 (US2006211961A)

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MASSAGER WITH SHOCK ABSORPTION, MULTIPLE CONTACT SURFACES AND VISUAL THERAPY EFFECTS

Abstract: Source: US2006211961A A handheld massager is disclosed having a spring and dampener provided between a **massage head** portion and a handle portion of a massager. A massage mechanism is provided in the **massage head** portion for application of a massage effect to the user. Resulting shock and vibrations caused by the massage effect are absorbed and dampened by the spring and dampener for minimizing these effects upon the hand and wrist of the user. Additionally, variable vibrational contact surfaces and various visual therapy effects are disclosed in combination with the massage effect.

Probable Assignee: FKA DISTRIBUTING CO

Earliest Publication Date: 20060921

11) Family number: 62567417 (US2017367923A)

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A MULTI-PURPOSE APPARATUS FOR TREATING AN ANIMAL

Abstract: Source: US2017367923A A multi-purpose apparatus for treating an animal. The apparatus includes at least two vibrators; a **massage head** coupled with the at least two vibrators; a controller configured to control the at least two vibrators such that they generate a variable beat frequency to the **massage head**; and a housing accommodating the at least two vibrators, the **massage head**, and the controller. The **massage head** comprises a concave curvature to follow contours of the animal so that the concave curvature becomes in contact with a musculoskeletal system of the animal, the **massage head** is coupled with the at least two vibrators so that two vibrators are positioned at opposite ends of the concave curvature. The **massage head** is adapted and dimensioned such that an interchangeable curly brush curved to follow the contours of the animal is coupleable with the **massage head**.

Probable Assignee: AMANDEL OY

Earliest Publication Date: 20160531

12) Family number: 28302279 (US2002151826A)

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MESSAGE APPARATUS AND METHODS

Abstract: Source: US2002151826A A massage device comprising a head which defines a cavity and an opening to the cavity. The head has one or more contact surfaces and a post connected to the head. The post is positioned within the cavity and extends toward the opening. The post also has one or more contact surfaces. A vacuum source communicating with the cavity provides a means for creating negative pressure within the cavity.

Probable Assignee: DYNATRONICS CORP

Earliest Publication Date: 20001116

13) Family number: 49386725 (US2011190575A)

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METHOD AND DEVICE FOR FEMALE THERAPEUTIC MESSAGE

Abstract: Source: US2011190575A An apparatus and method for adult oriented massage is presented. The apparatus includes a housing unit. An upper stimulation source is disposed within the housing unit. The upper stimulation source is operable for transferring a first percussive stimulation to a woman's lower abdomen proximate a top of a pubic bone. A lower stimulation source is disposed below the upper stimulation and is operable for transferring a second percussive stimulation to a region proximate a bottom of the pubic bone. A drive unit is disposed below the lower stimulation source for driving the upper and lower stimulation sources. A support unit supports the housing unit. At least one flexible unit enables an angle between the housing unit and the support unit to be adjusted, where the first percussive stimulation and the second percussive stimulation combine to enable the woman to achieve a beneficial stimulation.

Probable Assignee: HUMAN INNOVATIONS LLC

Earliest Publication Date: 20110804

14) Family number: 56491966 (US2014142472A)

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MESSAGE DEVICE EQUIPPED WITH INTERCHANGEABLE MESSAGE HEADS

Abstract: Source: US2014142472A The invention concerns massage device including body which contains drive mechanism, at least one type of **massage head** which includes **massage** elements, a transmission mechanism which allows the activation of the massage elements under the action of the drive mechanism, installation mechanism which are configured to be installed on and uninstalled from the body at least one type of **massage head**. In accordance with the invention, the device includes recognition means of the type of **massage head** installed on the body and control mechanisms for said massage device based on the recognition of the type of **massage head**.

Probable Assignee: SEB SA

Earliest Publication Date: 20140522

15) Family number: 27910842 (US2003009116A)

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VIBRATING PERSONAL MASSAGER

Abstract: Source: US2003009116A A J-shaped vibrating massager and method for manufacture thereof. The J-shaped massager may consist of a J-shaped tubular rod, a head, one or more handles, control means, and vibratory means. Generally, the J-shaped tubular rod may also consist of a J-hook and a barrel. Typically, the head is located at the end of the J-hook opposite the barrel, while the vibratory means may be mounted in the head or anywhere along the length of the J-shaped tubular rod. The vibratory means induces vibrations in one or more portions of the J-shaped tubular rod, generally including the head. The **vibrations massage** surfaces in contact with the invention. Because the invention is generally J-shaped, a user may reach his or her own back with the head of the J-shaped massager in order to give himself a back massage. The invention may include a variety of tips having different sizes, materials, and shapes.

Probable Assignee: WATER PIK INC

Earliest Publication Date: 20030109

16) Family number: 31952903 (US2005113726A)

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SELF-MESSAGE DEVICE

Abstract: Source: US2005113726A The self-massage device of the present invention comprises an angled hook, two **massage heads**, an elongated shaft of sufficient length to serve as an efficient lever and to permit positioning of the **massage heads** at desired locations, and a handle that can serve as a fulcrum. The invented device massages and relieves tension and/or spasms when applied to the user's back, neck, legs, and hip area and used as described herein. Use of the device does not require the assistance of another person or device, and delivers a satisfying and effective massage to the target muscle or body area with minimal user effort. Importantly, the device creates a lever mechanical advantage in use that significantly multiplies the user's effort and transfers the multiplied effort to the targeted **massage head**.

Probable Assignee: PRETTYMAN KEITH O

Earliest Publication Date: 20050526

17) Family number: 56491968 (US2014142480A)

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MESSAGE DEVICE WITH A MESSAGE HEAD EQUIPPED WITH MESSAGE WHEELS

Abstract: Source: US2014142480A The invention concerns message device including body which contains motor and message head, where installation mechanism is located between the body and the message head and said head includes application surface and two message wheels located along two initial parallel longitudinal axes, which are separated and extend partially outside the application surface. The message head includes to cause the two wheels to rotate in synchronization and in opposite directions so that, when seen in perpendicular plane to the two axes with the wheels toward the bottom, section of wheel located on the left which extends past the application surface turns counterclockwise and section of wheel located on the right which extends past the application surface turns clockwise. A wheel spacing adjustment system is designed to initially create a minimum distance between the wheels then to adjust the distance to reach a position of equilibrium.

Probable Assignee: SEB SA

Earliest Publication Date: 20140522

18) Family number: 30461214 (US2007191745A)

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MESSAGE DEVICE SET

Abstract: Source: US2007191745A The present invention relates to a set of hand-held massaging devices suitable for use in performing various Swedish massage movements for an all-over body massage. The device is designed such that a user can self-massage or a user can assist or perform a massage on a person in need of Swedish or Aromatherapy massage treatment.

Probable Assignee: KNEADS MUST LTD

Earliest Publication Date: 20050714

19) Family number: 52714402 (US2013012851A)

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VERSATILE MESSAGE THERAPY POLE

Abstract: Source: US2013012851A The present invention discloses a portable versatile massage pole apparatus and methods for using same which enable the self-application of massage therapy and muscle manipulation to any part of a user's body. More particularly, the present invention describes a whole-body massage tool having a message head variably comprising rollers, acupressure knobs, electrical stimulators and other massage tools and which is rigidly attached to an elongate, semiflexible pole between three and twelve feet long. The pole is anchored at one end such that the apparatus functions as a class 3 lever, enhancing the power and control of massage strokes administered via the message head on the opposing end. An optional cross-bar or handles may be attached to the pole for increased control. The anchoring means can be attached to stationary surfaces and brackets or to adjustable devices such as a smith machine.

Probable Assignee: FAHMIE JOHN

Earliest Publication Date: 20130110

20) Family number: 57879779 (US2014350441A)

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VIBRATORY NEURAL STIMULATION

Abstract: Source: US2014350441A A vibratory neural stimulation (VNS) system is provided to help relieve pain by applying preprogrammed or user defined patterns to the region having pain. The VNS system comprises of plurality of miniature vibration disks installed in a flexible material forming a vibration mesh. A programmable control unit (PCU) controls the vibration frequency and amplitude, and the period of activation of each vibrator. A user can search for the more effective vibration pattern to relieve his or her pain.

Probable Assignee: SHAFIELOO IMAN

Earliest Publication Date: 20141127

21) Family number: 43346689 (US2010179456A)

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ELECTROMAGNETIC MESSAGE HEAD AND HUMAN-LIKE MASSAGER COMPOSED BY ELECTROMAGNETIC MESSAGE HEADS

Abstract: Source: US2010179456A This utility model relates to an electromagnetic message head and a human massager comprising message heads. The electromagnetic message head comprises a strong electromagnetic rotating head and an electromagnetic screw. The electromagnetic screw is equipped with a rotating axial driving part and a fixing part. The strong electromagnetic rotating head is fixed together with the electromagnetic screw rotating driving part and drivable by the electromagnetic screw rotating in an axial direction. By adopting the structure stated above, the electromagnetic message head and the human massager comprising the electromagnetic message heads, after being electrified, will rotating under the action of central control equipment's control and loop magnetic force while its iron core is pulled out in an axial direction and via screw groove and the upper cover of electromagnetic screw's salient, can achieve the effect of knead, nip, massage, knock and shake the place being massaged and thus provide a deep massage to the user. Furthermore, the magnetic force of an strong magnetic bead has a certain force for releasing the pain of joint and fatigue by acting on physical points and nerves.

Probable Assignee: QIANG ZHANG MR

Earliest Publication Date: 20091202

22) Family number: 61056490 (WO15185814A1)

© PatBase

MESSAGE HEAD AND MESSAGE APPARATUS USING SUCH A HEAD

Abstract: The invention relates to a **massage head** which comprises a housing defining an inner chamber inside of which a skin fold is formed when the head is applied to the skin of a patient, said fold coming into contact with the lower edges of the chamber. Said chamber is defined by two side walls (12, 13) and by two transverse walls, at least one of said transverse walls being made up of a valve (10) to which a pivoting movement can be imparted, so as to move the lower edge (16) of said transverse walls towards and away from one another in contact with the skin fold. The valve (10) is hinged near the upper end thereof to the side walls (12, 13). The pivoting of the valve (10) is obtained by means of a gear reducer mounted stationary inside said valve, the output shaft of which drives the rotation of a cam, held in a cam race rigidly secured to one of the side walls of the inner chamber.

Probable Assignee: LPG SYSTEMS

Earliest Publication Date: 20151210

23) Family number: 43785581 (US2009247913A)

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PERSONAL CARE VAPORIZING DEVICE

Abstract: Source: US2009247913A A Personal Care Vaporizing Device is disclosed. The device has a central base unit including a large removable liquid reservoir and a handheld **skin massage**/exfoliating device. The handheld assembly can selectively emit vapor directly to the skin surface. Unlike the prior devices in the field, the present invention allows the user to selectively dispense either cool or warm vapor. The liquid reservoir is designed to accept skin care additives in addition to simple water for generating the vapor. The device has at least three operational modes: vapor only, **massage head** brush oscillation/**massage** motion only, and both vapor and oscillation/massage. Power for the device is available from a variety of sources, including internal batteries and/or external power supply.

Probable Assignee: NICHOLS THOMAS

Earliest Publication Date: 20091001

24) Family number: 28195546 (US2002058892A)

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MASSAGE APPARATUS

Abstract: Source: US2002058892A A massage apparatus which provides a unique combination of mechanical oscillation (vibration) and suction to help break up the fat clusters and stretch fiber tissue by combining massage and strong localized suction to raise the skin and bring encapsulated fluids to the surface. The massage apparatus is designed to combine localized suction to raise the skin and contain fluids of a body part while simultaneously generating a high frequency vibration to maximize fluid flow and elongation of skin fibrous tissue to increase the flexibility and elasticity of the skin.

Probable Assignee: GENERAL PHYSIOTHERAPY

Earliest Publication Date: 20000426

25) Family number: 55482615 (DE102012105865B4)

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MASSAGEAUFSATZ, MESSAGEEINRICHTUNG SOWIE APPLIKATIONSSYSTEM MIT EINEM MASSAGEAUFSATZ

Abstract: Source: DE102012105865B4 Die Erfindung betrifft einen Massageaufsatz (14) fuer einen handgefuehrten motorischen Aktor (12), eine Messageeinrichtung (10) mit einem solchen Aktor und einem Massageaufsatz (14), sowie ein Applikationssystem, insbesondere fuer kosmetische oder medizinische Zwecke, mit einem Behaeltnis (82) und einem daran aufgenommenen Massageaufsatz (14). Der Massageaufsatz (14) weist ein Kupplungsstueck (42), das mit einem Abtriebsglied (20) des Aktors (12) verbindbar ist, und einen Massagekoerper (34) auf, der das Kupplungsstueck (42) umgibt, wobei der Massagekoerper (34) als elastisches Formteil ausgebildet ist und das Kupplungsstueck (42) unter Ausbildung zumindest eines Hohlraums (70) umgibt, und wobei der Massagekoerper (34) mittelbar ueber das Kupplungsstueck (42) durch den Aktor (12) antreibbar ist.

Probable Assignee: GATTNAR MAGDALENA

Earliest Publication Date: 20140102

26) Family number: 5247401 (US4587959A)

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HOT AND COLD THERAPEUTIC APPLICATOR

Abstract: Source: US4587959A A single casing houses first and second blowers for expelling air through first and second outlet passages. One of the outlet passages incorporates a heater so that hot air can be expelled. The other passage is free of any heater so that cool air is expelled from the second passage. By alternately actuating the blowers, a person can be treated to hot air and then cool air.

Probable Assignee: RUDERIAN M J

Earliest Publication Date: 19860513

27) Family number: 15805867 (US2003073937A)

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MASSAGE APPARATUS COMPRISING AT LEAST ONE ROLLER DRIVEN POSITIVELY IN ROTATION

Abstract: Source: US2003073937A Massage apparatus consisting of a treatment head connected to a suction circuit, the said treatment head comprising a box (B) that can be operated manually, comprising an internal chamber (C) open at its base, which chamber is defined by two fixed side walls (P1, P2) and two transverse surfaces (T1, T2) arranged facing one another between the two side walls (P1, P2), at least one of these surfaces (T1) consisting of the periphery of a roller (1) driven positively in rotation, the suction circuit opening into the said chamber (C) and making it possible to create suction when the apparatus is applied against the body of the patient, which suction tends to form a fold of skin pressing against the transverse surfaces (T1, T2), characterized in that the positive drive of the roller (1) is obtained via a geared motor unit mounted fixed and coaxially inside it, and in which the output shaft (5) of the reduction gear comprises means of coupling to the said roller (1), the said apparatus being associated with means for adjusting the speed and/or direction of rotation of the motorized roller(s) and the amount of suction, possibly varying this, and doing so during operation.

Probable Assignee: GUITAY LOUIS PAUL

28) Family number: 57418843 (US2014276255A)

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MESSAGE DEVICE HAVING A HEAT RESERVOIR

Abstract: Source: US2014276255A A massage device is provided with a pouch containing a liquid medium and a massage prong for imparting massage pressure on the person's body during a massage. The pouch is configured for application to the body such that it covers an area on the body substantially larger than the massage prong. The massage prong operates and applies a force to the body through the wall of the pouch. The massage prong is permitted to move within at least a portion of the area without substantial movement of the pouch relative to the body. A lubricating layer sealed present massager can provide a relaxing and therapeutic heated or cooled massage over a large area of the body while reducing pinching and friction between the skin and the massage prong.

Probable Assignee: MCGUSHION AARON PAUL

Earliest Publication Date: 20140918

29) Family number: 60604654 (DE202015104519U1)

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MESSAGEGERAET

Abstract: Source: DE202015104519U1 Motorbetriebenes Massagegeraet, welches eine Antriebswelle (7) mit einer Drehachse und einen Massagekopf (8) mit einer Hauteingriffsoberflaeche (9) hat, wobei der Massagekopf (8) an der Antriebswelle (7) zur simultanen Drehung um die Achse und Vibration in eine Richtung laengs der Achse anbringbar ist. Motorized Massagegeraet having a drive shaft (7) having a rotational axis and a **massage head** (8) with a Hauteingriffsoberflaeche (9), wherein the **massage head** (8) on the drive shaft (7) for simultaneous rotation about the axis and vibration in a direction along the axis can be mounted.

Probable Assignee: KONINKL PHILIPS NV

Earliest Publication Date: 20151022

30) Family number: 63726668 (US2011319958A)

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NON-INVASIVE TREATMENT OF BRONCHIAL CONSTRICTION

Abstract: Source: US2011319958A Devices, systems and instructing methods are disclosed for treating bronchial constriction related to asthma, anaphylaxis or chronic obstructive pulmonary disease. The instructing method for treatment comprises transmitting impulses of energy non-invasively to selected nerve fibers that are responsible for smooth muscle dilation. The transmitted energy impulses, comprising magnetic and/or electrical, mechanical and/or acoustic, and optical and/or thermal energy, stimulate the selected nerve fibers.

Probable Assignee: ELECTROCORE LLC

Earliest Publication Date: 20111229

31) Family number: 63726866 (US2016243375A)

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NON-INVASIVE TREATMENT OF BRONCHIAL CONSTRICTION

Abstract: Source: US2016243375A Devices, systems and methods are disclosed for treating bronchial constriction related to asthma, anaphylaxis or chronic obstructive pulmonary disease. The treatment comprises transmitting impulses of energy non-invasively to selected nerve fibers that are responsible for smooth muscle dilation. The transmitted energy impulses, comprising magnetic and/or electrical, mechanical and/or acoustic, and optical and/or thermal energy, stimulate the selected nerve fibers.

Probable Assignee: ELECTROCORE LLC

Earliest Publication Date: 20160825

32) Family number: 63726319 (US2011046432A)

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NON-INVASIVE TREATMENT OF BRONCHIAL CONSTRICTION

Abstract: Source: US2011046432A Devices, systems and methods are disclosed for treating bronchial constriction related to asthma, anaphylaxis or chronic obstructive pulmonary disease. The treatment comprises transmitting impulses of energy non-invasively to selected nerve fibers that are responsible for smooth muscle dilation. The transmitted energy impulses, comprising magnetic and/or electrical, mechanical and/or acoustic, and optical and/or thermal energy, stimulate the selected nerve fibers.

Probable Assignee: ELECTROCORE LLC

Earliest Publication Date: 20110224

33) Family number: 63726844 (US2014336721A)

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NON-INVASIVE TREATMENT OF BRONCHIAL CONSTRICTION

Abstract: Source: US2014336721A Devices, systems and methods are disclosed for treating bronchial constriction related to asthma, anaphylaxis or chronic obstructive pulmonary disease. The treatment comprises transmitting impulses of energy non-invasively to selected nerve fibers that are responsible for smooth muscle dilation. The transmitted energy impulses, comprising magnetic and/or electrical, mechanical and/or acoustic, and optical and/or thermal energy, stimulate the selected nerve fibers.

Probable Assignee: ELECTROCORE LLC

Earliest Publication Date: 20141113

34) Family number: 30420070 (US2004064074A)

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MESSAGE DEVICE

Abstract: Source: US2004064074A A massage device for creating a massaging action using at least one oscillating device. The massage device may be formed from a handle and a head pivotably coupled to the handle. The head may include a first chamber for containing the oscillating device and a second chamber for containing an impeller for driving the oscillating device. The oscillating device may be fluid driven. The massaging device may also include one or more controls in the handle for controlling the action of the massage device.

Probable Assignee: CHININIS PRODUCT DEVELOPMENT GROUP LLC

Earliest Publication Date: 20040330

35) Family number: 63726322 (US2011125213A)

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NON-INVASIVE TREATMENT OF BRONCHIAL CONSTRICTION

Abstract: Source: US2011125213A Devices, systems and methods are disclosed for treating bronchial constriction related to asthma, anaphylaxis or chronic obstructive pulmonary disease. The treatment comprises transmitting impulses of energy non-invasively to selected nerve fibers that are responsible for smooth muscle dilation. The transmitted energy impulses, comprising magnetic and/or electrical, mechanical and/or acoustic, and optical and/or thermal energy, stimulate the selected nerve fibers.

Probable Assignee: ELECTROCORE LLC

Earliest Publication Date: 20110526

36) Family number: 59777862 (US2015196452A)

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PARTICLE CONTAINERS AND DELIVERY APPLICATORS

Abstract: Source: US2015196452A Certain therapies involving delivering materials, such as light absorbing particles, to the surface of a subject's skin. Thereafter, the movement of the material into skin structures, such as follicles, is facilitated by a mechanical device such as a massager. The present application describes certain devices useful in such therapies.

Probable Assignee: SEBACIA INC

Earliest Publication Date: 20150716

37) Family number: 61321182 (US2017172837A)

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A BODYCARE DEVICE

Abstract: Source: US2017172837A The present application relates to a bodycare device (**10**) for performing a skincare procedure on a periorbital area of a subject. The bodycare device (**10**) has a treatment head (**30**) with a treatment surface (**37**) having a curved profile and a surface roughness Ra between 1 micro m and 4 micro M. A driver is configured to cause a rotational motion and an axial vibratory motion of the treatment head (**30**). The present application also relates to a treatment head (**30**) for a bodycare device (**10**) for performing a skincare procedure on a subject.

Probable Assignee: PHILIPS KONINKLL NV

Earliest Publication Date: 20160107

38) Family number: 56739033 (US2017000684A)

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MULTIFUNCTIONAL PHYSIOTHERAPY DEVICE AND PHYSIOTHERAPY METHOD

Abstract: Source: US2017000684A A multifunctional physiotherapy device includes an elastic support assembly, a physiotherapy assembly, a housing assembly, a sleeve casing and an imaging assembly. The housing assembly is disposed on the outside of the elastic support assembly, the physiotherapy assembly is removably secured on the elastic support assembly. The sleeve casing is disposed at the joint of the physiotherapy assembly and the elastic support assembly. A user holds the housing assembly to direct the physiotherapy assembly in the physiotherapy area and moves it back and forth to complete the therapy, and the physiotherapy actions are observed through the imaging assembly. The physiotherapy assembly includes a **massage head**, a scraping head and a moxibustion head that can be removably secured on the elastic support assembly, sequentially completing massage, scraping and moxibustion physiotherapy actions respectively. The multifunctional physiotherapy device has a simple structure and a clever design with remarkable physiotherapy effects.

Probable Assignee: HUANG RUNJING

Earliest Publication Date: 20140625

39) Family number: 62988700 (US2016213558A)

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SYSTEMS AND METHODS FOR HIGH SPEED VIBRATION THERAPY

Abstract: Source: US2016213558A A massager providing massaging frequencies in the range of 75 to 250 hertz, and preferably 100 to 200 Hertz is provided. The massager includes a motor for generating rotational motion, an applicator head having multiple treatment surfaces, and a shaft attached to the motor and applicator head for translating the rotational motion to the applicator **head**. The **massager** also includes a restraining mechanism attached to the applicator head. The restraining mechanism is configured to prevent the applicator head from rotating, thereby generating a circular motion in each of the treatment surface. The circular motion has diameters in a range of 0.1 mm to 5 mm and a preferred frequency of 100-200 completed circular movements per second.

Probable Assignee: RAPID RELEASE TECHNOLOGY LLC

Earliest Publication Date: 20160728

40) Family number: 68807439 (WO18045194A1)

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TISSUE MASSAGER

Abstract: A head unit configured to couple to a handle of an electric toothbrush, wherein the handle generates vibrational energy transferred to the head unit, the head unit comprising a proximal end and a distal end; a base adjacent to the proximal end, an exterior wall extending from the proximal end to the distal end, wherein the exterior encases a plurality of hollow chambers, wherein each of the plurality of hollow chambers are separated by a scaffold, wherein the scaffold connects to the exterior wall; and a bulb having an exterior surface configured to transfer the vibrational energy to an object.

Probable Assignee: MARTELL GENOA

Earliest Publication Date: 20180308

41) Family number: 33084753 (US2006135319A)

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METHOD AND APPARATUS FOR TRAINING FACIAL MUSCLES TO REDUCE WRINKLES

Abstract: Source: US2006135319A Method and apparatus for training facial muscles to reduce wrinkles employs a flexible stretchable membrane held in contact with the skin over a muscle group while manipulating a hand-held device with a motorized rotary brush over the membrane, so that the bristles stimulate and train the muscle group while the flexible membrane protects and stabilizes the skin.

Probable Assignee: BERMAN ELLEN R

Earliest Publication Date: 20060622

42) Family number: 52072799 (US2012253245A)

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THERAPEUTIC DEVICE AND METHOD FOR SCAR TISSUE THERAPY HAVING INTERMEDIATE AND OPPOSED HEADS

Abstract: Source: US2012253245A A therapeutic device includes a power unit for cyclically moving a therapeutic head unit at a frequency selected to cause compression wave energy to propagate through body tissue to a target scar tissue structure. The therapeutic head unit includes a plurality of differently shaped therapeutic heads to be pressed against the body surface.

Probable Assignee: STANBRIDGE STANLEY R

Earliest Publication Date: 20121004

43) Family number: 18031566 (DE2238563B1)

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Abstract: Source: DE2238563B1 (Claim1) Massagegeraet mit an einen Rotorantrieb an geschlossenem Massagekopf, d a durchgekennzeichnet, dass der Massagekopf (2) als elastisch verformbarer Kopf ausgefuehrt und/oder unter Zwischenschaltung eines elastisch verform baren Kupplungsgliedes (3) an den Rotorantrieb (1) angeschlossen ist.

Machine translation: (Claim1) Massagegeraet with a rotor drive of closed **massage head**, characterized in that the **massage head** (2) as an elastically deformable head executed and / or with the interposition of an elastically deformable Baren coupling element (3) to the rotor drive (1) is connected.

Probable Assignee: SCHAEFER HEINRICH FA

Earliest Publication Date: 19730920

44) Family number: 41621018 (US2008071203A)

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PERCUSSIVE THERAPY BLADE

Abstract: Source: US2008071203A A **massage head** comprised of a contoured edge shaped to conform to and capture specific areas of the human body for use in soft tissue therapy by perpendicular attachment to a vibratory massage appliance. The perpendicular attachment of the **massage head** provides both surface and deep tissue action in any proportion and the contoured shape of the **massage head** focuses percussive motion of the vibratory massage appliance on afflicted soft tissues, resulting in enhanced therapeutic effect.

Probable Assignee: MILLER EDWARD

Earliest Publication Date: 20080320

45) Family number: 17682796 (DE9319861U1)

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VIBRATIONSMASSEGEVORRICHTUNG

Abstract: Source: DE9319861U1 (Claim 1) Schutzanspruch e : 1. Vibrationsmassagevorrichtung in Stabform fuer das maennliche Glied, dadurch gekennzeichnet, dass dieMassagevorrichtung (10) aus einem Gehaeuse (11) mit einem abgerundeten Harnroehren- E i nfuehrende (12)der Ma ssae gevor ri c h t ung und mi t einer in dem Gehaeuse(11) angeordneten Vibrationsvorrichtung (20) besteht, wobei das Harnroeh re -Einfuehrende (12) alsFormkoerper (15) mit den Abmessungen und der Formgebung der Fossa navicularis entsprechenden Abmessungenund Form ausgebildet ist.

Machine translation: (Claim 1) td Schutzanspruch e: 1 Massage vibrator in stick form for the penis, wherein dieMassagevorrichtung (10) from a Enclosures (11) t with a rounded urethral e i nfuehrende (12) of the Ma SSAE vortexed ri c h t ung and mi one in the enclosures (11) arranged vibratory device (20) is, wherein said n-re Harnroeh insertion end (12) alsFormkoerper (15) is formed with the dimensions and shape of the fossa navicularis Abmessungenund corresponding shape.

Probable Assignee: HANSEN MANFRED

Earliest Publication Date: 19940210

46) Family number: 49963043 (US2012065555A)

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MESSAGE APPARATUS FOR SKIN CARE

Abstract: Source: US2012065555A Provided is a massage apparatus for skin care, which is designed to be bent by its rotation. The massage apparatus for skin care has an elongated body and a head at one end of the body to apply a stimulus to a skin. The body is divided into a head section in which the head is located, and a grip section opposite to the head section, along an inclined plane sloped with respect to a longitudinal direction of the body. The head section and the grip section separated from each other are connected to be rotatable around a rotary shaft, which is provided in parallel to a normal direction of the inclined planes, in either or both of left and right directions, in a state that the inclined planes thereof contact each other.

Probable Assignee: LEE EUN SUK

Earliest Publication Date: 20110715

47) Family number: 62411088 (WO16075000A1)

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A BODYCARE DEVICE

Abstract: The present application relates to a bodycare device (1) for performing a skincare procedure on a subject. The bodycare device (1) comprises a treatment head (7) having a liquid contact surface (8) which is positionable proximate to a subject's skin and a liquid feed (11) configured to provide liquid at the liquid contact surface (8). The bodycare device (1) further comprises a driver (10) configured to cause motion of the treatment head (7) relative to a subject's skin so that a shear flow is induced in liquid at the liquid contact surface (8) to act on said subject's skin when the liquid contact surface (8) is positioned proximate to said subject's skin.

Probable Assignee: KONINKL PHILIPS NV

Earliest Publication Date: 20160519

48) Family number: 24744358 (CH429021A)

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ELEKTRISCH BETRIEBENES KLEINMASSAGEGERAET ELECTRICALLY OPERATED KLEINMASSAGEGERAET (MACHINE TRANSLATION)

Abstract: Source: CH429021A (Claim 1) 1. Kleinmassagegeraet nach Patentanspruch, dadurch gekennzeichnet, dass die Griffelemente (15, 22) konzentrisch zur Schwenkachse (5, 23) des Massagekopfes (6, 15) angeordnet sind und dass die freien Enden der fingerfoermig ausgebildeten Griffelemente unebene Stirnseiten (16, 17) zum Mitnehmen der Haut aufweisen.

Machine translation: (Claim 1) 1 Kleinmassagegeraet to claim, characterized in that the gripping elements (15, 22) are arranged concentrically to the pivot axis (5, 23) of the **massage head** (6, 15) and that the free ends of the fingerfoermig trained handgrips uneven ends (16, 17) to take home the skin have.

Probable Assignee: APAG APPBAU AG

Earliest Publication Date: 19660711

49) Family number: 67316088 (US2017304145A)

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HANDHELD MESSAGE DEVICE

Abstract: Source: US2017304145A Disclosed is an electronic handheld device for performing a massage on a user. The device comprises a pair of handles that are substantially parallel to one another, each handle comprising a top and a bottom extremity, a shaft unit housing a shaft comprising a free extremity, the free extremity extending beyond the shaft unit, the shaft being substantially perpendicular to the pair of handles, a motor unit housing a motor, which drives the shaft, a trigger disposed on the primary handle, a trigger disposed in operative communication with the motor wherein, actuating the trigger results in the activation of the motor, and a **massage head** adapted to be mounted to the free extremity of the shaft whereby, the motion of the shaft is imparted to the **massage head** at which point, the **massage head** is applied over the skin of a user.

Probable Assignee: TT THERAPEUTICS LLC

Earliest Publication Date: 20171026

50) Family number: 31157882 (US2002124320A)

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MATTRESS STRUCTURE

Abstract: Source: US2002124320A A bed and mattress structure includes an articulating frame having longitudinally spaced head, seat, thigh, and foot sections. The head, thigh and foot sections are movable relative to each other and relative to the seat section. A deck on the frame supports a user. A mattress is interposed between the deck and the user. The mattress includes a plurality of longitudinally spaced apart, transversely extending air bladders corresponding respectively to the frame sections. A power driver tilts the frame sections to desired tilted positions. An air supply fills each bladder to desired air pressures to support the user. A drive controller controls the power drive for tilting the frame sections to various desired positions. An air supply controller controls the air supply for filling the air bladders to desired air pressures. A hand held controller includes a key pad cooperating with a programmable device to provide signals through a cord in response to inputs from the user. The key pad includes memory set buttons providing the signals when the buttons are activated by the user. The controller controls the power drive and the air supply in response to the signals. The memory set buttons are arranged in order of the frequency of use. A display is mounted on the substrate and selectively indicates the positions of the sections of the articulating frame and the pressures of the air bladders.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 19970605