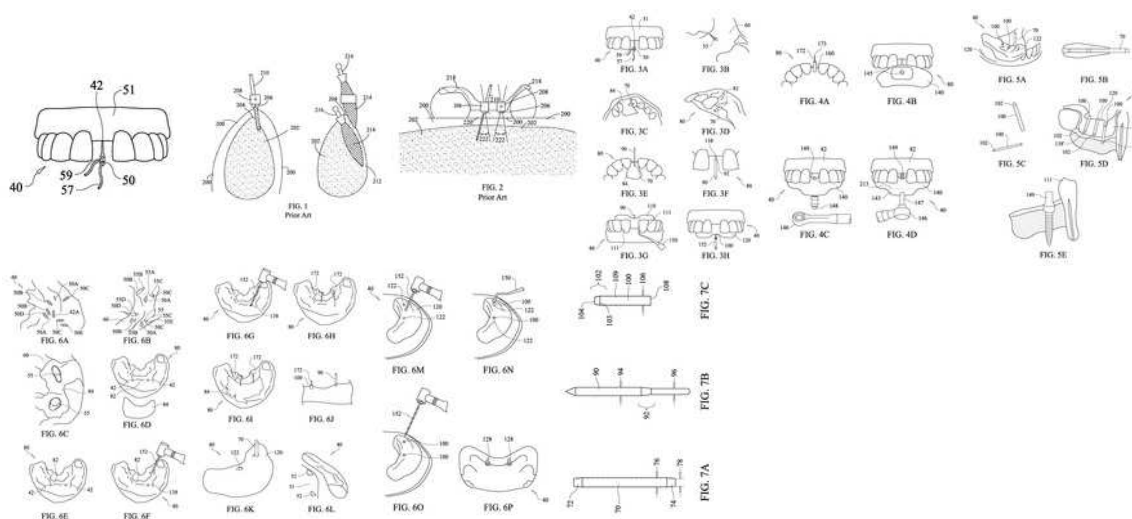
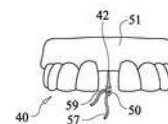


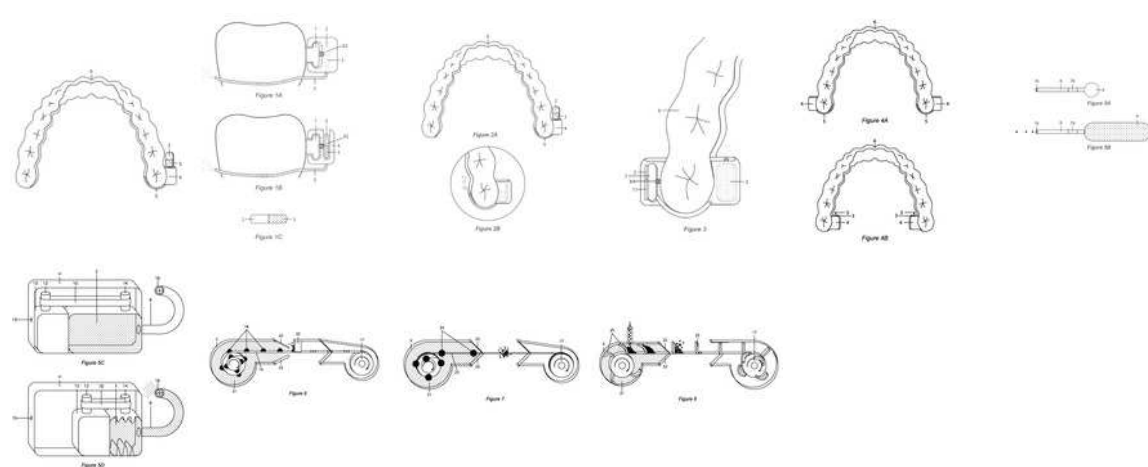
3. [System and method for a bone engaging dental implant surgical stent placement system](#) US20140329196 2013-05-01 TEDESCO JAMES LEE 2014-11-06 2014-11-06

A bone engaging dental implant surgical stent placement system comprising: a gingival depth impression pin, wherein the gingival depth impression pin is placed in a patient's bony ridge to establish a penetration site. An impression is then created of the patient's bony ridge by placing an impression material around the gingival depth impression pin and the patient's gingival tissue. A stent fabrication guide tube is then placed over the gingival depth impression pin, and a dental stone is poured into the impression to create a working model, with a penetration hole for placing a stent fabrication guide pin into the penetration hole. A baseplate matrix is then molded around the stent fabrication guide pin to create the stent, which positions a pilot drill guide tube to actively engage with the bony ridge and to act as a drill guide when making a pilot hole.



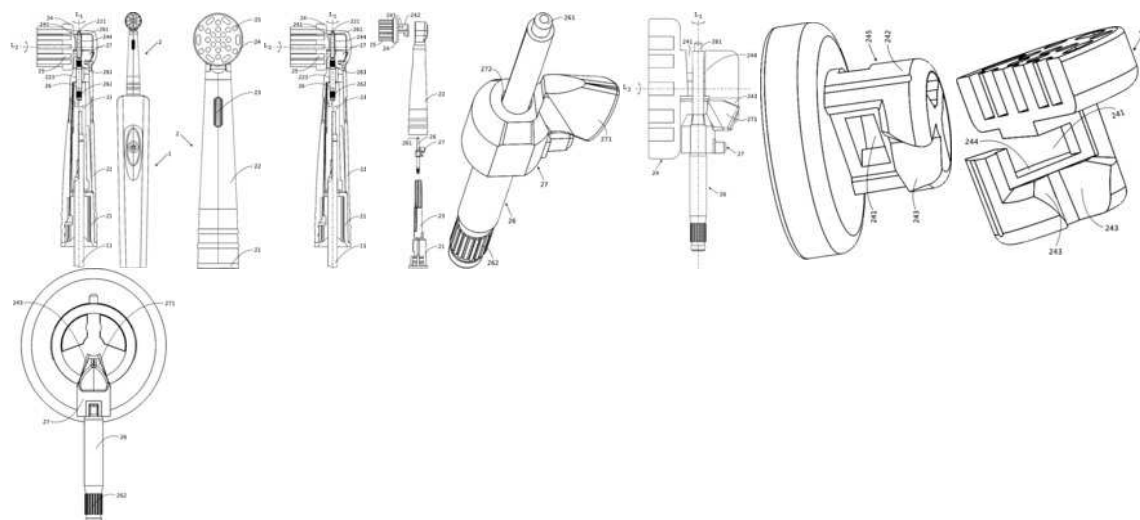
4. [Devices and methods for continuous drug delivery via the mouth](#) CA2929410 2014-11-05 SHIN AJAR SHIN AJARU SYNAGILE* 2015-05-14 2015-05-14

The invention features a drug delivery device held in the mouth and continuously administering either a fluid comprising drug dissolved and/or dispersed in water or in a non-toxic liquid, or a drug in solid form.



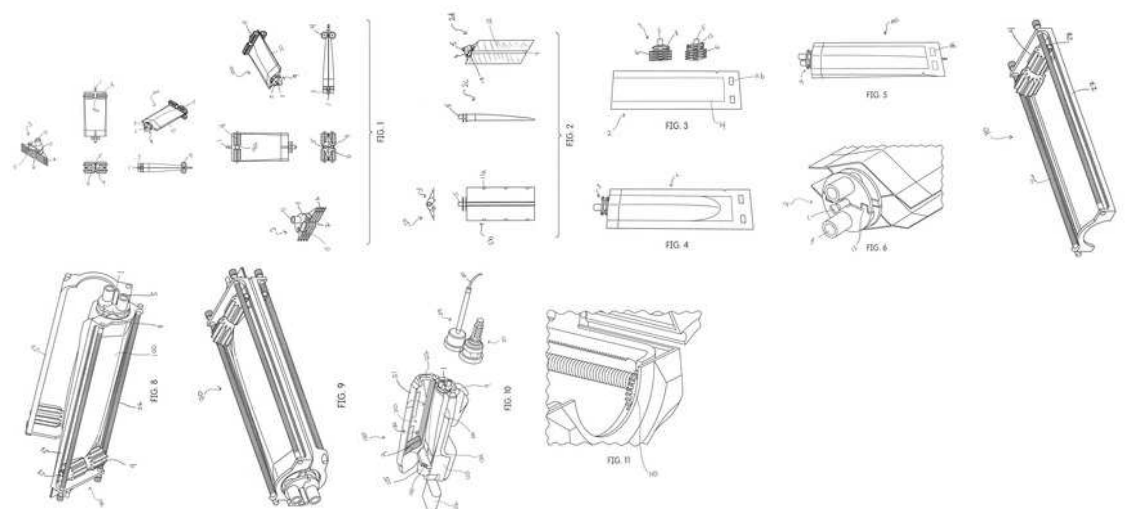
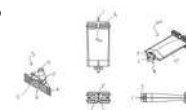
5. Brush head of reciprocating rotation CN204798047 2015-05-20 SHANGHAI SHIFT ELECTRICS* 2015-11-25 2015-11-25

The utility model provides a brush head of reciprocating rotation, includes: be equipped with the top hole of centering distribution and/or the first shell of brush of middle part through -hole, the central line and the first drive shaft axis of brush of top hole and/or middle part through -hole are in same straight line, brush first drive shaft and pass the middle part through -hole, it has the action wheel through -hole to distribute on the action wheel, brushes after first drive shaft passes this through -hole in the part, brushes the regional action wheel through -hole that gets into of cooperation of first drive shaft and action wheel, makes that brush first drive shaft and the action wheel connects firmly, brush dish is gone up to distribute has that to keep away from the brush dish of clean component orientation along brush dish rotation axis orientation **protruding**, the brush dish is **protruding** go up distribute have with action wheel driving part mate from the driving wheel secondary part, the brush dish is **protruding** in that to be equipped with brush dish cavity in the first drive shaft rotation axis orientation of brush regional, brushing first drive shaft, to pass or get into this cavity regional, brushes first drive shaft restriction brush dish along brush dish rotation axis towards the motion of clean component orientation. When installation first drive shaft of brush or drive shaft were not damaged, the brush dish can not be done reciprocally rotatory.



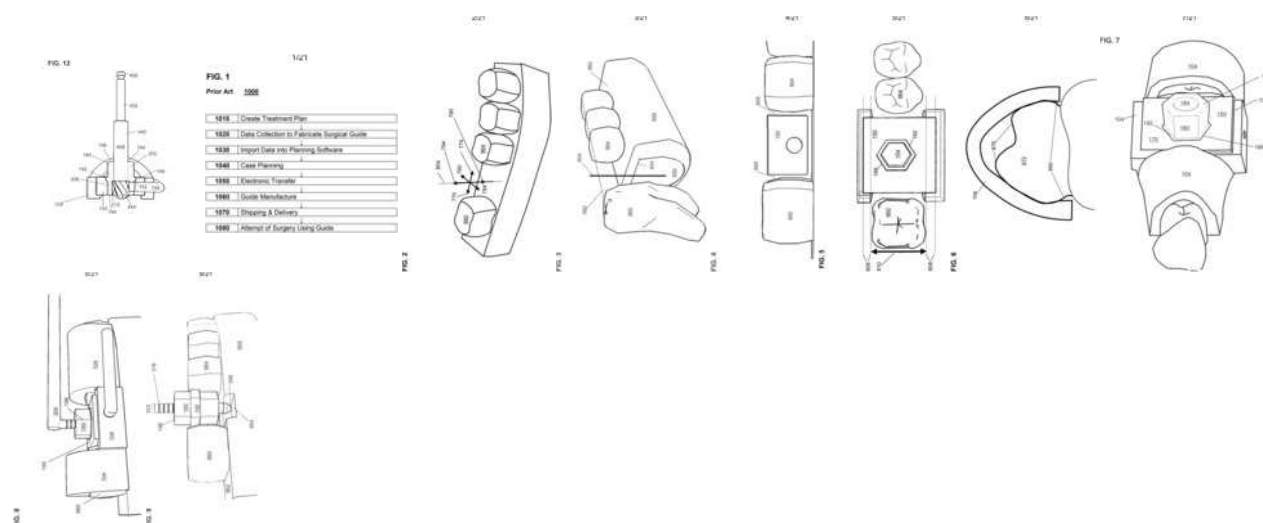
6. Impression material delivery system US20120267394 2012-04-19 DENTSPLY* DENZYPLY INTERNATIONAL 2012-10-25 2012-10-25

Disclosed herein is a device suitable for the delivery of dental materials, such as impression material. The device disclosed herein includes a cartridge that has at least two separate pouches and a spout.



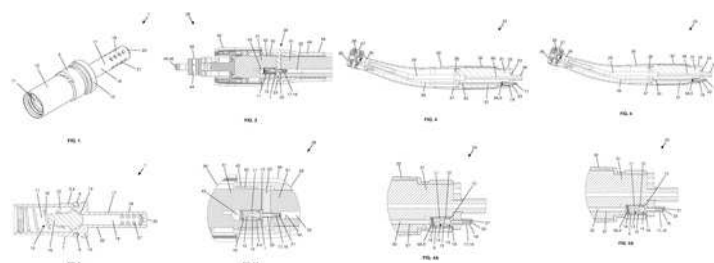
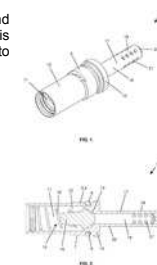
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| 7. | System for establishing drill trajectory for dental implants | WO2016036500 | 2015-08-17 | FPJ ENTERPRISES* | 2016-03-10 | 2016-03-10 |
|----|--|--------------|------------|------------------|------------|------------|

Aligning a drill bit for preparing a bore to receive a dental implant. Using a frame to position cartridges, the frame fitting patient anatomy and having a chamber to receive cartridges. Creating an initial cartridge with an opening to receive a guide sleeve. Optionally, mounting at least one measuring device assembly onto the initial assembly so that measuring device assembly takes measurements with a known relationship to the initial linear trajectory. Using the measurements to enhance a model of the surgical site and to select a surgical linear trajectory for a surgical bore to stay within bone found at the surgical site. Placing a surgical cartridge into the chamber; and placing a guide sleeve in the surgical cartridge with the guide sleeve oriented along the surgical linear trajectory to constrain a drilling trajectory of a drill bit along the surgical trajectory. Many variations disclosed.



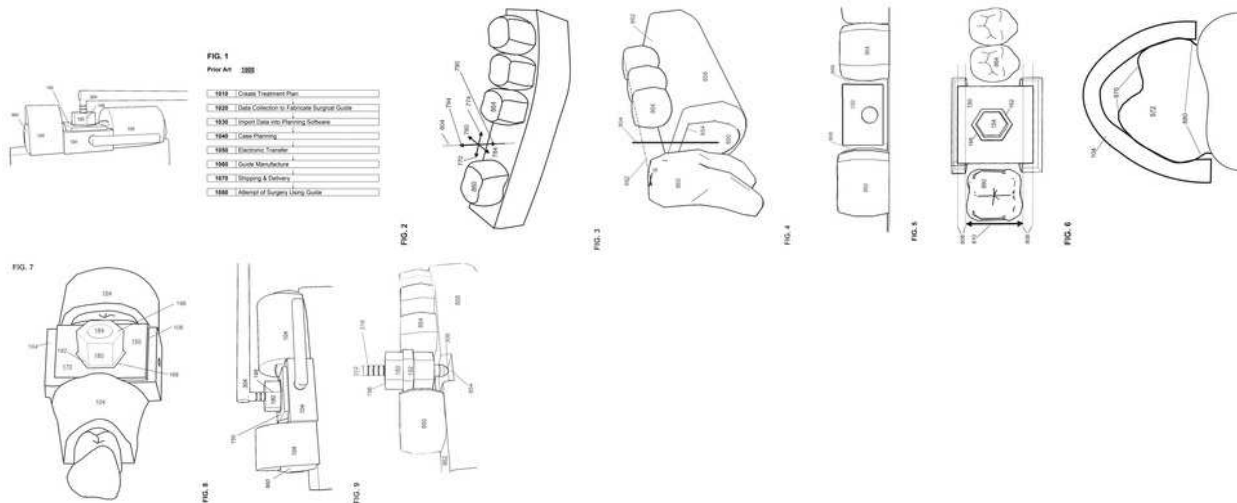
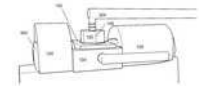
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| 8. | Filter cartridge for a medical, in particular dental coupling device | CN104055584 | 2013-03-20 | VEIENT HARDENTAL WERKBUHL MORSE | 2014-09-24 | 2014-09-24 |
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The cartridge (1) has a coupling portion (3) for releasably receiving cartridge in or on a media line of a coupling unit and a medium line section (11) extended from coupling portion and has a control section (12) for controlling the media flow of to-be-cleaned medium in filter cartridge. A filter portion (17) is in fluid communication with medium line section and is arranged outside of medium line section on the coupling portion of filter cartridge. The filter portion provides flow through of to-be-cleaned medium longitudinally and/or transversely to flow direction. Independent claims are included for the following: (1) a dental clutch device; and (2) a dental hand or corner portion.



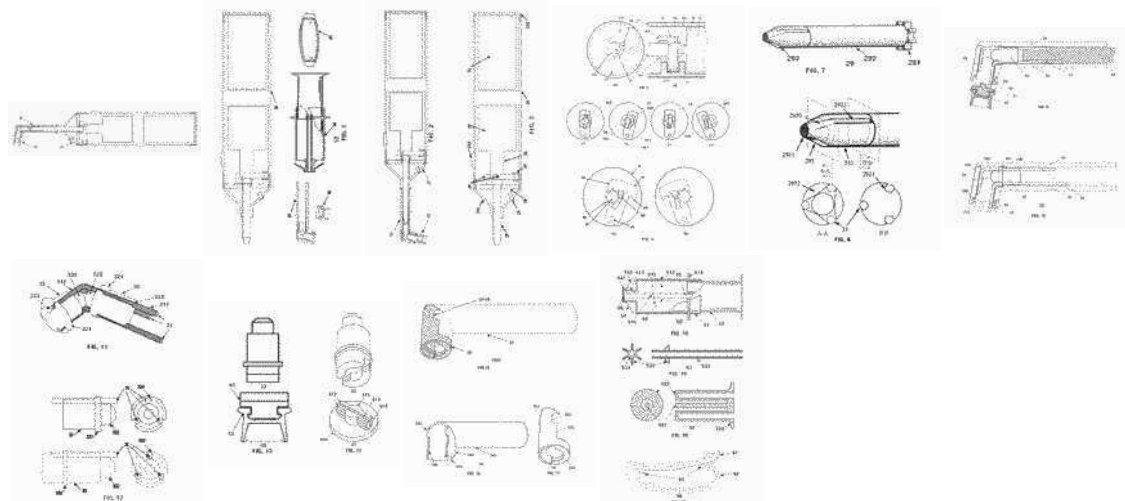
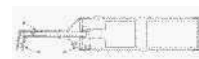
11. [Method for establishing drill trajectory for dental implants](#) US20150351866 2015-08-21 FPJ ENTERPRISES* 2015-12-10 2015-12-10

Aligning a drill bit for preparing a bore to receive a dental implant. Using a frame to position cartridges, the frame fitting patient anatomy and having a chamber to receive cartridges. Creating an initial cartridge with an opening to receive a guide sleeve. Optionally, mounting at least one measuring device assembly onto the initial assembly so that measuring device assembly takes measurements with a known relationship to the initial linear trajectory. Using the measurements to enhance a model of the surgical site and to select a surgical linear trajectory for a surgical bore to stay within bone found at the surgical site. Placing a surgical cartridge into the chamber; and placing a guide sleeve in the surgical cartridge with the guide sleeve oriented along the surgical linear trajectory to constrain a drilling trajectory of a drill bit along the surgical trajectory. Many variations disclosed.



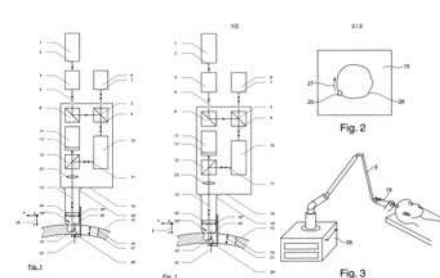
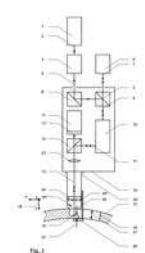
12. [Portable simultaneous tooth prophylaxis and bleaching system](#) US20120258418 2011-04-05 SHEN FEIMO 2012-10-11 2012-10-11

A portable dental prophylaxis and bleaching system is provided for simultaneous tooth polishing and bleaching. It includes an oscillatory driving handpiece, a dental angle with a disposable rubber cup assembly, a dual-component dispenser, and a disposable mouthpiece. The battery-powered handpiece transforms a continuous rotation through a driving cam into a rotary oscillation which is then transferred through the attached dental angle to the rubber cup with an obtuse angle at its distal output end. The dispenser is operated manually to correctly apportion and mix the dual treatment materials into the rubber cup. In order to provide longer shelf life and effective bleaching action, the treatment materials are maintained at optimal pH values in separate compartments within the dispenser before use. The disposable mouthpiece is shaped for easy access to the user's teeth while protecting the gum surfaces. The system can be used both in dental clinics and at home.



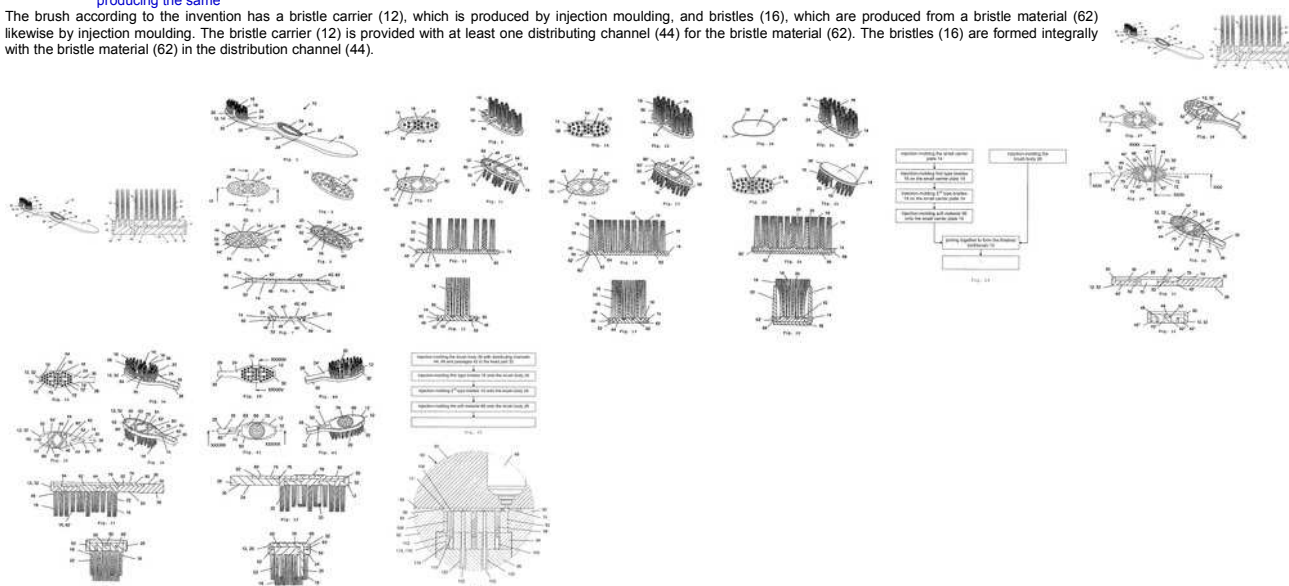
13. [Device and method for cutting or separating solid materials by material removal by means of energetic radiation](#) DE102011118540 2011-11-15 FRAUNHOFER* 2013-05-16 2013-05-16

The invention relates to a method and a device for cutting or separating solid materials by means of energetic radiation. In a hand-held machining head (19) a machining beam (13) is guided via a dynamic beam deflecting unit (10) through a beam outlet opening, by means of which the machining beam (13) can be directed to a machining location. During the machining, images of an area of the solid material (15) comprising the machining location (14) are continuously taken during the machining by means of an image recording unit (17). An image evaluation and control unit determines from the images a wrong movement when the machining head (19) is guided manually and actuates the dynamic beam deflecting unit for the purpose of a beam position correction. The beam outlet opening is formed on one end of a tube (19') above which a shaft (20) protrudes that can be introduced into the kerf (16) on the solid material (15) and thereby facilitates lateral guidance of the tube (19') during machining. Using the proposed device and the associated method, narrow kerf width having a high quality can be produced when performing hand-guided cutting and separation procedures in solid materials.



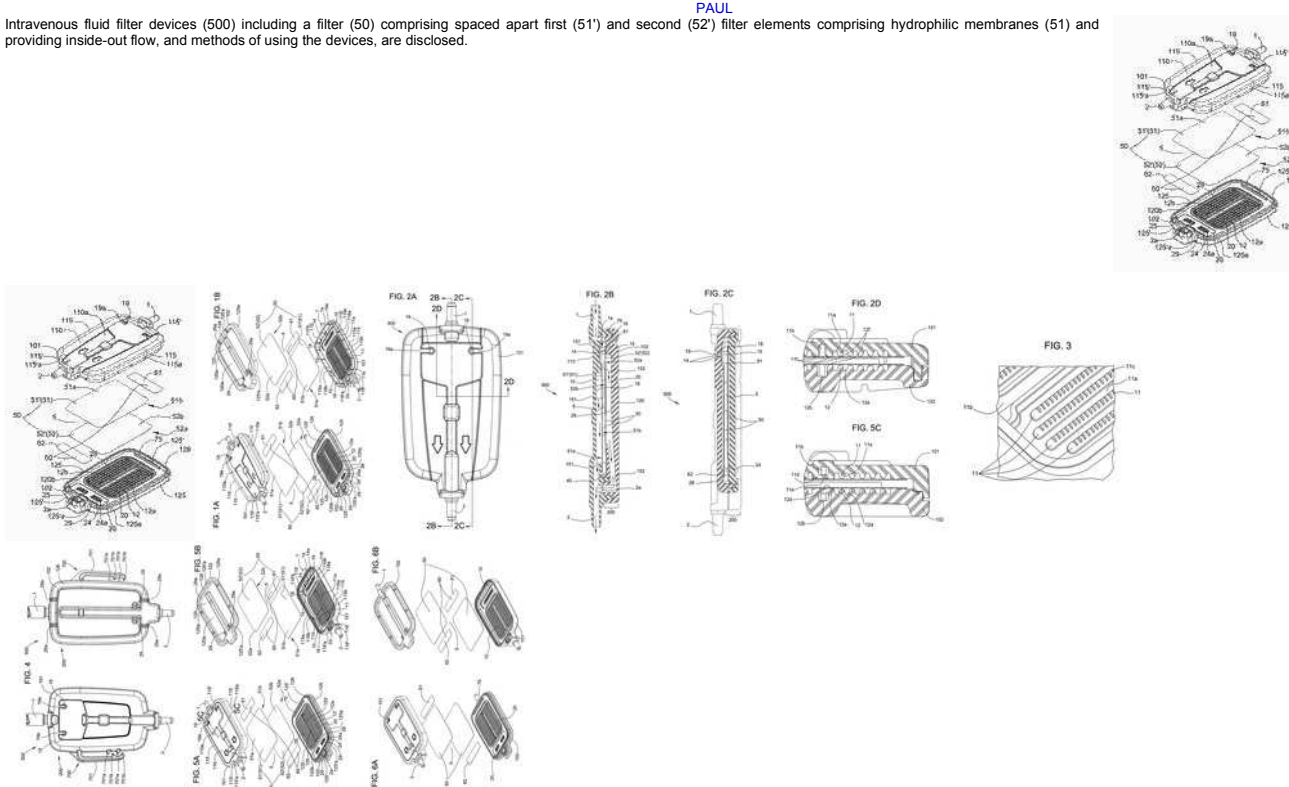
14. Toothbrush with injection-moulded bristles, and method and apparatus for producing the same WO2012093085 2012-01-03 TRISA* 2012-07-12 2012-07-12

The brush according to the invention has a bristle carrier (12), which is produced by injection moulding, and bristles (16), which are produced from a bristle material (62) likewise by injection moulding. The bristle carrier (12) is provided with at least one distributing channel (44) for the bristle material (62). The bristles (16) are formed integrally with the bristle material (62) in the distribution channel (44).



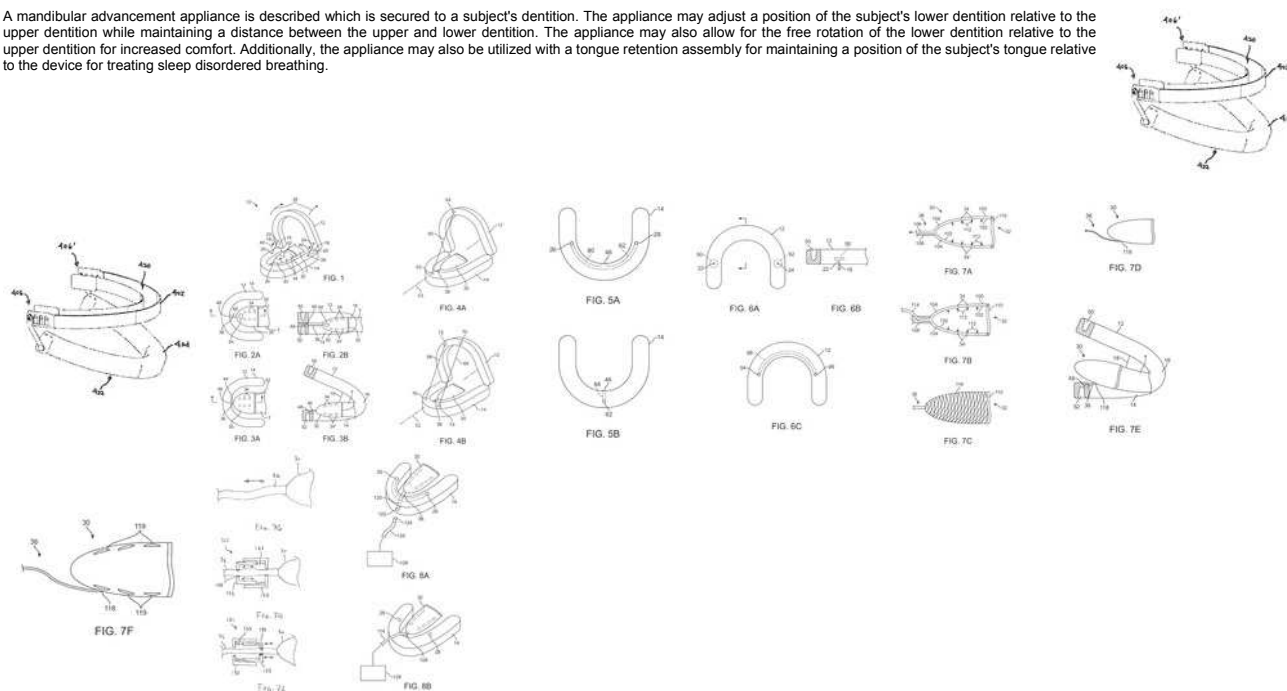
15. Intravenous filter BR102012005496 2011-03-14 PALL* PAUL 2012-07-03 2012-07-03

Intravenous fluid filter devices (500) including a filter (50) comprising spaced apart first (51') and second (52') filter elements comprising hydrophilic membranes (51) and providing inside-out flow, and methods of using the devices, are disclosed.



16. Mandibular advancement appliance US20110180076 2011-03-10 INSONO THERAPEUTICS* 2011-07-28 2011-07-28

A mandibular advancement appliance is described which is secured to a subject's dentition. The appliance may adjust a position of the subject's lower dentition relative to the upper dentition while maintaining a distance between the upper and lower dentition. The appliance may also allow for the free rotation of the lower dentition relative to the upper dentition for increased comfort. Additionally, the appliance may also be utilized with a tongue retention assembly for maintaining a position of the subject's tongue relative to the device for treating sleep disordered breathing.



17. Suction and irrigation apparatus with anti-clogging capability US20140207056 2013-01-18 BONO PETER L* 2014-07-24 2014-07-24

A handheld tool for providing irrigation and/or suction is provided. In certain embodiments, the tool has a single cannula for providing both suction and irrigation, while in others there are separate suction and irrigation cannulas. In some embodiments, flush water is supplied by actuating a flush button which both pinches closed a suction hose and opens a flush hose. If present, the irrigation cannula may be opened by actuating an irrigation button. In certain embodiments, the irrigation and/or flush button may be provided with blade tips to pinch closed the irrigation or flush hoses in cooperation with a blade extending from the tool housing.

