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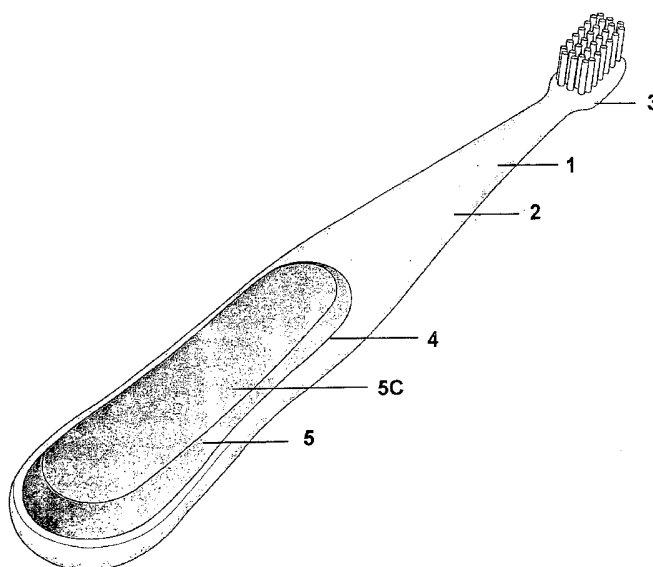
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(54) Title: SPECIFIC INSTRUMENT FOR GENERAL ORAL HYGIENIC CLEANING



(57) Abstract: Specific Instrument for general oral hygienic cleaning describes the present patent of the field technician of products for general oral hygiene, as a special instrument (1) for general oral hygienic cleaning that, according to its characteristics, has as principle to contribute to a proper and specific structure in resin with memory of high resistance or similar that integrated in a unique body the structures of a tooth brush (3), a cleaner of tongue (4) and a dental floss case (5), making possible the formation of a set unique, complete and safe similar to a traditional tooth brush, whose form and disposal internal and external are perfectly adapted to oral cant of the users, along with a perfect preservation in the most diverse places in order to perform a total complete form the hygienic cleaning of teeth and tongue of the most diverse users.



WO 2005/069715 A2

“SPECIFIC INSTRUMENT FOR GENERAL ORAL HYGIENIC CLEANING”

Technical field

The present patent for an utility sample of general oral hygiene products technical field is described as a specific tool for oral hygienic cleaning that, according to it is general specifications, has the basic principle to contribute to the formation of a proper and specific structure that perfectly integrates a unique body the structures of a tooth brush, a dental floss and a tongue cleaner, in order to perform, in a total hygienic and detailed way, the cleaning of both teeth and tongue of any king of user, through the three basic elements of the oral cleaning. This special instrument presents an easy-to-use design and specific shape and practical handling and functionality specs, enough reasonable cost, generally applied to the most different kinds of dental arches, tongues and mouths of any kind of user, apart from their characteristics.

Description of the invention

The patent of utility sample consists in the use of a practical, modern, efficient and versatile tool for general oral cleaning formed by a set of mechanical and hygienic solutions, forming a complete and differed special instrument, exclusively designed, optimized details, nice aesthetics and characteristics, that incorporates a proper structure, highly durable and resistant, made up of a resin with high endurance or similar, in the shape of a common tooth brush, containing, perfectly integrated a tooth brush for the cleaning of the dental arch, a tongue cleaner for the cleaning of the tongue and a box of floss for cleaning between the teeth, all this to make available a unique set, complete and safe, similar to a common tooth brush, which shapes booth internal and external are perfectly adapted to the user's oral cant, along with a perfect adjusting to every spot inside the mouth, in order to specifically create an easy, practical and safe way for the user to perform a complete and detailed oral cleaning.

State of the art

The present oral instrument is based on the application of components and processes in a differentiated conception, becoming possible to solve some the main inconveniences of the diverse forms and models known for the current status of the technique and used in the oral hygienic of the most diverse types of people, most specifically in the use of the three basic elements of this hygiene, located in a band of work in which the handling difficulties, application and mainly preservation and mobility are very frequent and the forms and/or models are obsolete, based on simple adaptations,

being this way unsafe, of great deterioration and fragility, very little durability and resistance, great size, high and laborious costs and handling and high dimensions.

The objectives and important characteristics of the patent of model of utility in appraise more easily will be better understood when read together with the figures in annex:

Figure 1 represents a superior perspective of the special instrument for general oral cleaning.

Figure 2 represents a superior perspective of the dental floss case in the open position, separate of the special instrument for general oral cleaning.

Figure 3 represents a superior perspective of the special instrument for general oral cleaning without the dental floss case, configuring the tongue cleaner.

As it's inferred from the figures in annex that illustrate and integrate the present descriptive report of the patent of model of utility of "Specific Instrument for General Oral Cleaning", understood for a complete special instrument (1) with proper characteristics, that incorporates a proper structure in a unique body, of high durability and resistance, made up of resin with high resistance or similar, general shape similar to the one of a traditional tooth brush, forms and internal and external disposed that is perfectly adapted to the oral cant of the users as dental arches and tongue, and containing perfectly disposed and integrated a single-part anatomical handle (2) of rectilinear general shape in and thin rod, and possessing small rounding (2 A) disposed symmetrically throughout all its laterals, a small nip (2 B) disposed symmetrically along the frontal half, a small widening (2 C) of rectangular shape and disposed symmetrically in the center of the frontal extremity of small widening (2 C) and one leaked (2 D) of oblong shape and disposed symmetrically along the posterior half; one tooth brush (3) of parallel general shape, disposed symmetrically in the center of the small widening (2 C) and formed by one tuft (3) disposed molded symmetrically and vertically on the small widening (2 C), with the primordial function of general hygienic cleaning of the dental arches a cleaner of tongue (4) of oblong general shape, disposed symmetrically in the posterior half of the anatomical handle (2) and formed by a flexible structure (4 A) of similar U-shape lying and consisting in the conjunction of the posterior half of leaked (2 D) and the adjacent parts of the anatomical handle (2), with the main function of hygienic cleaning of the tongue, and a dental floss case (5) of oblong general shape, disposed incased symmetrically in center of in the leaked one (2 D) and formed for two central parts (5 A) of format semi oblong

leaked by the internal and made use faces symmetrically overlapped and articulated laterally between itself as stowage of the dental floss bobbin (A), being one the central parts (5 A) having an opening (5 B) of made oblong format symmetrically centered in the superior face, and a small cover (5 C) of same format of the opening (5 B) disposed
5 articulate laterally in the central parts (5 A) that it does not possess the opening (5 B) overlapping to this, all the set with the function of hygienic cleaning between teeth.

The general conception of the present special instrument for oral hygienic cleaning in general, is based of the formation of a product of manual and personal use that acts in all the region of the dental arches and superior of the tongue, removing for complete
10 remaining portions of foods and bacteria; that to these they are adhered, mainly in regions of difficult access, or either, complete hygienic cleaning of the oral region for the most diverse users and in the most diverse places using itself an only set. Its use helps to reduce the bacterial plate, the incidence of tooth decay, tartar, the infections of throat and gum, causing a welfare drawn out, breath cool and increases the palate, therefore the great part
15 of the med halitosis has origin in the tongue and dental arches.

The specific instrument for oral hygienic cleaning has its applications established in the direct action of the hands of the users who directly hold the special instrument (1) for the anatomical handle (2), being that in the specific case of the use of the dental floss only for removal of the same one interior of the dental floss case (5).

20 The specific instrument for oral hygienic cleaning in general, for possessing its components total incased and settled between itself, nothing is unfurled and nothing it has to break or to warp, is highly durable and absolute safe during the use. After incased and fixed the components they are imprisoned, hindering in this way, that they are freed alone when in use, being the available set total for the accomplishment of a perfect oral hygiene,
25 in this way, it can easily be used without concern of any nature how much to the durability and security.

It's about a product that well will be received by all the people who carry through oral hygienic cleaning, therefore the present special instrument for oral hygienic cleaning in general presents innumerable general advantages, such as: great security,
30 trustworthiness and agility in its application, for being about product of high technology; high resistance and durability, ally to low or a no consuming of the set as a whole; great income and performance in its application in virtue of its conception; bigger comfort and easily to the users during the oral hygienic cleaning; accessible costs what it makes

possible excellent relation cost / benefit; design pleasant and attractive that allows its use for any users; reduced general weight and dimensions; total hygiene in the oral hygienic cleaning; unification of the three basic elements of the oral hygienic cleaning in one only element; generation of the great mobility and versatility to the three basic elements of the oral hygienic cleaning; great easily and security no access the dental arches and the using tongue do; possibility of a complete oral hygienic cleaning with one only element and in any place; and the certainty of if having a product that fully takes care of the necessary conditions of security, resistance and hygiene its application.

All these attributes allow to classify this special instrument for oral hygienic cleaning, as a half total efficient, practical, hygienically and safe one to be applied directly as element of personal hygiene in the elimination of residues for the hygienic cleaning tooth and the hygienic cleaning of the tongue, of the most diverse types of users and in the most diverse places, independent of the general characteristics that these can present, being still of great manuscript easiness, allied the excellent general characteristics.

CLAIM

1. "SPECIFIC INSTRUMENT FOR GENERAL ORAL HYGIENIC CLEANING", is characterized by being understood by complete a special instrument (1) that it incorporates a proper structure in only part, confectioned in resin with memory of high resistance or similar, similar general format to the one of a tooth brush, forms and internal and external disposal that adaptable the oral region of the users as dental arches and tongue, and thin disposed and integrated between itself an handle anatomical (2) in unique body of general format in rectilinear connecting order and having small rounding (2 A) disposed symmetrically throughout all their sideways, a small nip (2 B) disposed symmetrically a long the frontal half, a small widening (2 C) of rectangular and disposed shape symmetrically in the center of the extremity frontal of small widening (2 C) and one leaked (2 D) of oblong format and disposed shape symmetrically in the center of the long one of the posterior half; one tooth brush (3) of parallel general format, disposed symmetrically in the center of the small widening (2 C) and formed by one tuft (3 A) disposed molded symmetrically and vertically on the small widening (2 C); a tongue cleaner (4) of oblong general format, disposed symmetrically in the posterior half of the handle anatomical (2) and formed by a flexible structure (4 A) of similar format of the U-shape lying and that consists of the conjunction of the posterior half of leaked (2 D) and the adjacent parts to this of the anatomical handle (2); and a dental floss case (5) of oblong general shape, disposed incased symmetrically centered in the one leaked (2 D) and formed by two central parts (5 A) of semi oblong formats leaked by the internal and made use faces symmetrically overlapped and articulated laterally between itself, being one of the central parts (5 A) having an opening (5 B) of disposed oblong shape symmetrically in the center of the superior face, and a small cover (5 C) of same format of the opening (5 B) disposed articulately laterally in the central parts (5 A) that it does not possess the opening (5 B) and overlapped to this.

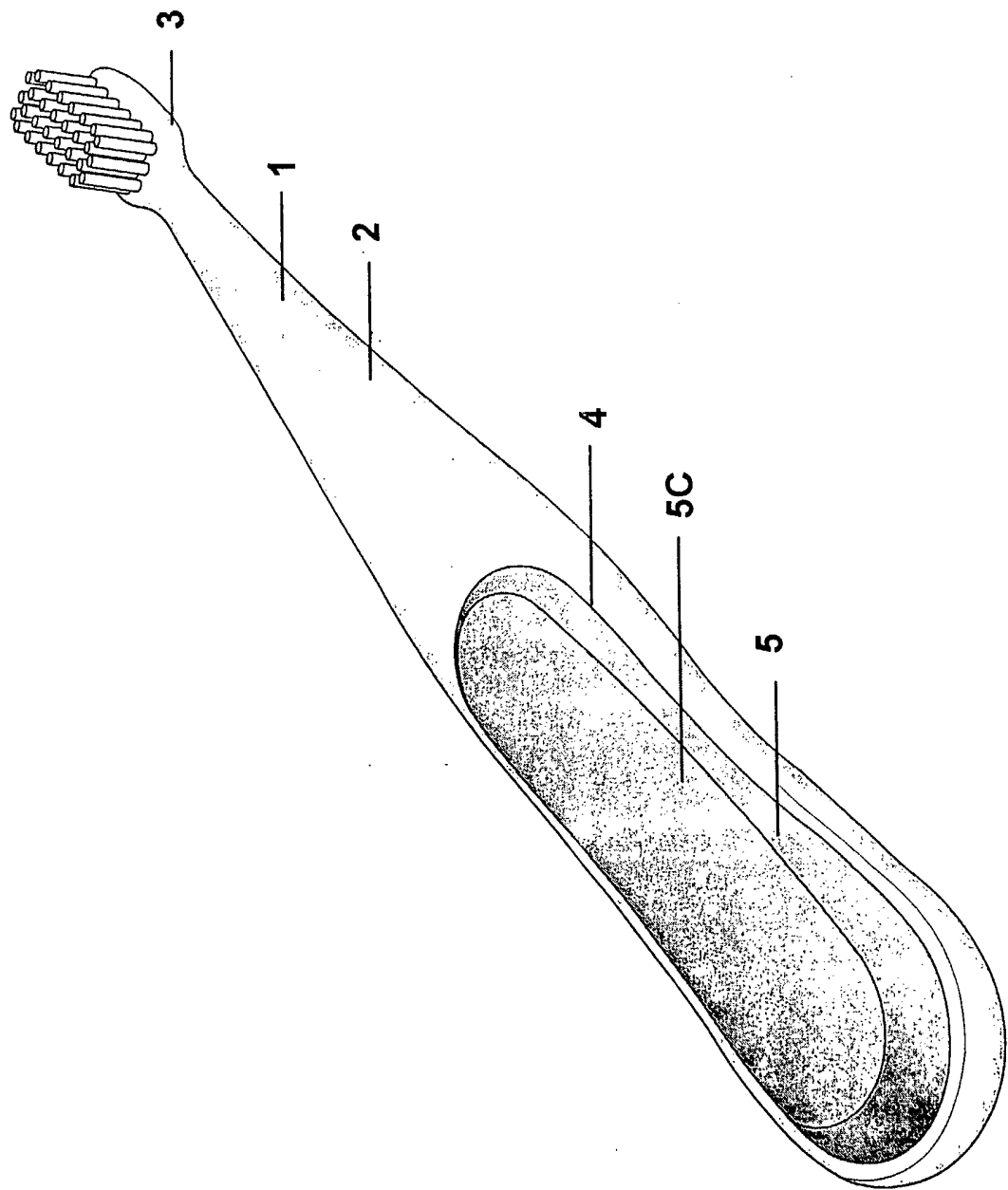


Fig.1

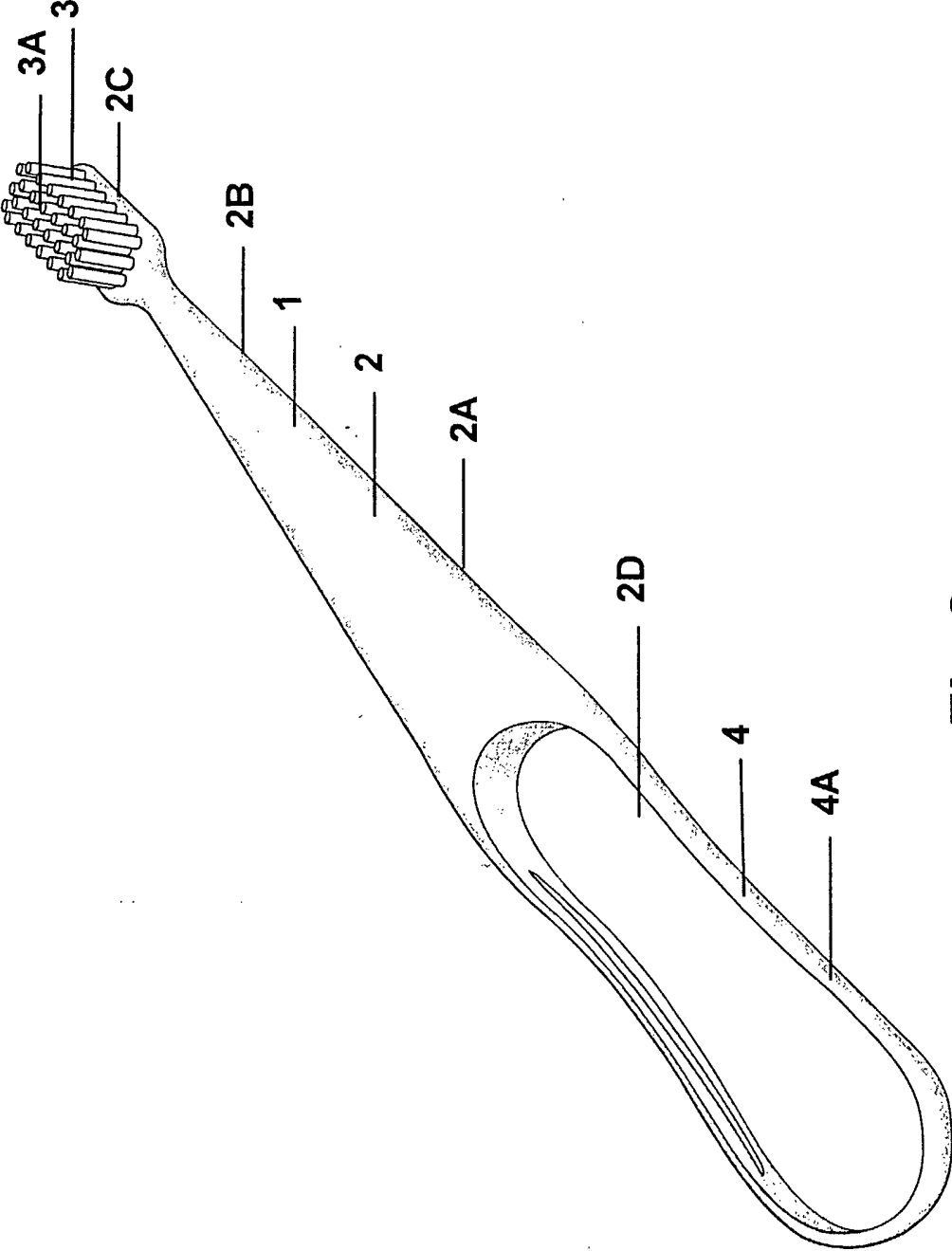


Fig.2

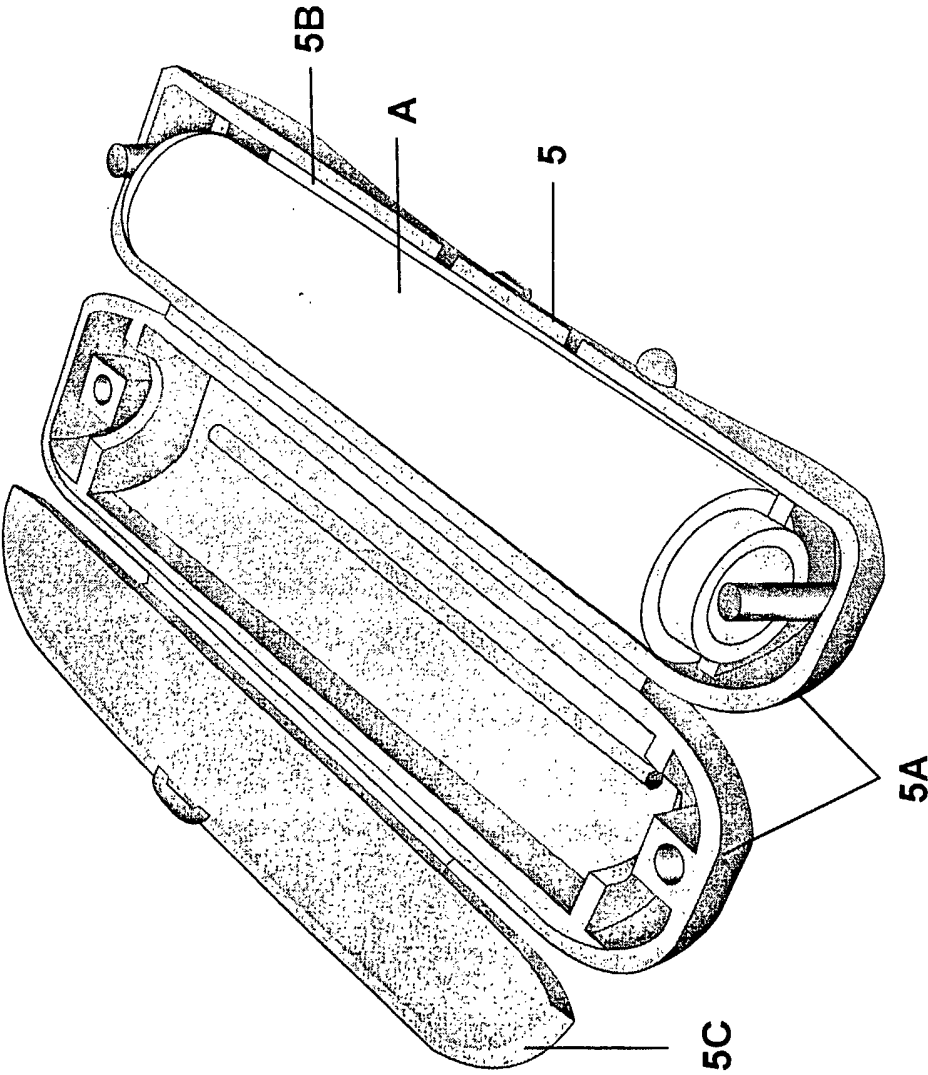


Fig.3