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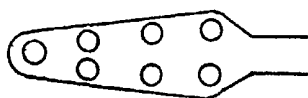
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(54) Title: TOOTH-BRUSH WITH COSMETIC EFFECT



(57) Abstract: This invention is connected with medicine, particularly in dental and cosmetological areas. This tooth-brush is equipped with protruding massage grooves on its head surface. Using this tooth-brush results in the general improvement of the facial skin and strengthens the teeth gums thereby preventing inflammation of the gums and bleeding. Technically, as a result of brushing there is the simultaneous act of massage of the inner surface of the mouth cavity exerted by the soft protruding grooves of the head surface of the tooth-brush. Because of the mechanical effect of the grooves on the inner surface of the mouth cavity, nerves ending are irritated, thereby improving the overall blood circulation in the whole facial muscles and mouth cavity preventing gum bleeding and strengthening it.

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DESCRIPTION

Tooth-brush with cosmetic effect.

This invention is connected with medicine particularly dentistry and cosmetology.

5 There are some analogies to our invention but differ in functions i.e. tooth-brush with massage grooves (patent FRG №3001382, MKI A61N13/00, 1980, patent USSR.№ 1768129A1 MKI A46V 15/00, 1992) meant for tooth-brushing and the massage of the gums only.

10 The tooth-brush consists of the handle and flat head with soft massage grooves fixed in a row-form parallel to the handle. When using, the brush is held in a vertical position and moved up and down and side ways.

The main difference of this prototype is its complicated construction and it is impossible to simultaneously massage the internal surface of the cheeks and lips.

15 Some types are used for the massage of the internal surface of the mouth cavity (patent USSR № 1153 940 A63S 19/04. 1985, patent KZ (A)(II) 8036 A61N 13/00, 1998) are meant for the improvement of blood circulation in the facial regions, thereby achieving the desired cosmetic effect. It is a disc like construction filled with special mixtures. To use this type of brush, one has to put the disc like form into the mouth and perform the chewing act along one cheek at a time. This
20 prototype has nothing in common with the current invention because it is impossible to simultaneously massage the teeth and the mouth cavity.

This given invention is meant for achieving maximum positive healing and recovery, effects from its effective usage without additional or extra

expenses on other means of this category.

This tooth-brush with its cosmetic effect is very simple in its made. It consists of the handle, head with massage grooves placed on outside surface and carry out the functions of massage of the internal surface of the
5 mouth cavity during brushing procedures.

The number of grooves vary depending on the size of the grooves, form and head of the tooth-brush.

Technical results in dentistry is attained by strengthening the gums, reducing bleeding and improving general blood circulation. In cosme-
10 logy, the resultant effect of blood circulation of the facial cavity helps in getting rid of wrinkles and keeping the facial skin in excellent conditions.

The massage grooves can as well be located or placed on the sides of the head of the brush. Fig. 1, 2, 3, 4 and 7 are the possible positions of the grooves on head brush. Fig. 5, 6 and 8 depicts side views. The groo-
15 ves are made from rubber materials of different thickness and elasticity to give the tooth-brush the required standard elasticity and strength or from same material as the tooth-brush i.e. plastic. It is used as any other tooth-brush. The result is healthy facial skin and strong tooth gums.

C L A I M S

Tooth-brush with cosmetic effect.

1. Tooth-brush with cosmetic effect consist of: the handle,
head with distinct grooves on its top outside surface which perform
5 specific function of massage of the mouth cavity during brushing or
useage.

2. The said tooth-brush item 1 is distinct because of same
grooves located on the side surface of the head of the tooth-brush.

3. In addition to item 1 and 2, the grooves on the head of the
10 tooth-brush are made of plastic rubber which gives it its elastic
property.

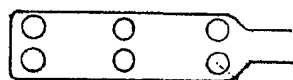


Fig. 1.

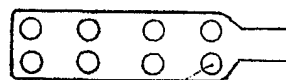


Fig. 2.

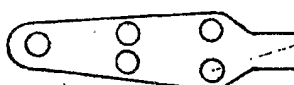


Fig. 3.

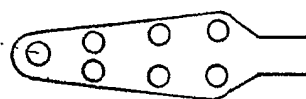


Fig. 4.

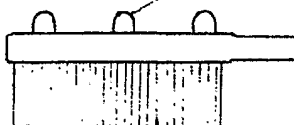


Fig. 5.

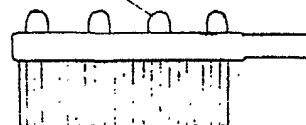


Fig. 6.

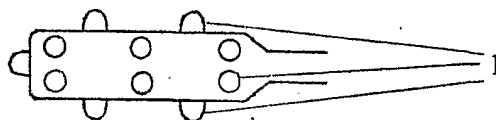


Fig. 7.



Fig. 8.

INTERNATIONAL SEARCH REPORT

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 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A46B15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 39 40 167 A (KOEHLER GEB SAHEBI IRAN DR) 6 June 1991 (1991-06-06) column 1, line 54-56; figures ----	1-3
X	FR 2 600 872 A (MECANETUDE SARL) 8 January 1988 (1988-01-08) page 1, line 30-35 -page 2, line 1; figure 1 ----	1-3
A	US 3 258 805 A (MICHAEL ROSSNAN) 5 July 1966 (1966-07-05) column 2, line 7-10; figure 1 ----	
A	DE 197 08 875 C (BOEHM BERND DR) 14 May 1998 (1998-05-14) column 1, line 36-39; figure 4 ----- -/-	



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Patent family members are listed in annex.

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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