(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/09/2017

(21) Application No.201741032328 A
(43) Publication Date : 22/09/2017

(54) Title of the invention : ORAL CLEANING APPARATUS WITH AUDIO SIGNALS FOR ENHANCED ORAL HYGIENE

(51) International classification	:A46B15/00; A61C17/34;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)DR. ANUSHKA PARAKH
Address of Applicant :DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY, KLE V.K. INSTITUTE OF DENTAL SCIENCES, KLE UNIVERSITY, NEHRU NAGAR, JNMC CAMPUS, KARNATKA, INDIA - 590010 Karnataka India
2)DR.SHIVAYOGI M. HUGAR
3)MR. VABHAV SRIVASTAVA
4)DR. VAIBHAV KUMAR
5)DR. ANIL PARAKH
6)DR. SHWETA SHIVAYOGI HUGAR
7)DR. ALKA.D.KALE
(72)**Name of Inventor :**
1)DR. ANUSHKA PARAKH
2)DR.SHIVAYOGI M. HUGAR
3)MR. VABHAV SRIVASTAVA
4)DR. VAIBHAV KUMAR
5)DR. ANIL PARAKH
6)DR. SHWETA SHIVAYOGI HUGAR
7)DR. ALKA.D.KALE

(57) Abstract :
Abstract:The present invention relates to the development of oral cleaning apparatus with audio signals for enhanced oral hygiene. It specifically relates to the development of oral cleaning apparatus with audio signals to identify the presence of a food debris, plaque or dirt on the teeth for visually impaired persons and children to maintain oral hygiene. More particularly, the invention relates to the development of toothbrush with audio signals to identify for presence of a food debris, plaque or dirt on the teeth for visually impaired persons and children to maintain oral hygiene. The invention also pertains to the development of method for practicing the use of oral cleaning apparatus with audio signals for visually impaired persons and children to maintain oral hygiene.In one of the embodiment, the Oral cleaning apparatus to maintain oral hygiene characterized in that having the toothbrush (1) for cleaning the teeth connected with light emitting diode (2) to make the light to fall on all the surfaces of the teeth in the oral cavity, when the light reflects of the surface of teeth with a food debris or plaque or dirt, then there is a huge variation in the intensity of the reflected light and that intensity of variations in the reflected light used as the sensing parameter and is recorded by Light Detector Resistor sensor (4) for continuously recording the intensity of variations in the reflected light and output of the intensity of variations in the reflected light is converted to audio signal by Arduino Board Resistor (5) and which is conveyed to the visually challenged person through the microphone (6) for the presence of a food debris or plaque or dirt on the teeth.

No. of Pages : 30 No. of Claims : 10