

(51) International classification :A46B001500000, A61B000500000, A61C0017220000, A61Q0011000000,
 (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

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(57) Abstract :
 Evolution of toothbrush dates back to 1780s where animal hairs and feathers were used as bristles to clean the tooth. With the invention of nylon in 1930s, nylon bristles were made use for optimal pressure on teeth. Oral health commonly an indicator of human health much emphasis is laid on maintaining dental hygiene. Research studies show that dental caries is third- largest non- computable diseases lead to cancer and heart diseases. Electric toothbrushes are oral healthcare product to clean teeth gums and tongue by rotation movements leading to success removal of plaque. Proposed is an Intelligent toothbrush for Smart Dental Healthcare monitoring using IoT. Toothbrush is equipped with Inertial Sensor, Rechargeable lithium battery, Arduino nano microcontroller. Coin cell battery and holder, switch, resistors side and connecting wires are connected to the smartphone app. Convolutional Neural Networks with long- short term memory is used for efficient brushing technique, based on recognition brushing posture.

No. of Pages : 16 No. of Claims : 3