An Inter-Proximal Dental Appliance for the Oral Health Care of Teeth and Gum

Abstract

A laterally expandable and reducible oral healthcare device is disclosed for cleaning, massaging or treatment in inter-proximal regions. This resilient oral healthcare device is able to conform to changing profiles of inter-dental areas between neighbouring teeth and gum. With the help of many types of movement, such as reciprocal insertion, extraction, rotation, bending, rubbing, medicament/toothpaste dispensing, picking, etc., or any of these combinations, this self-adaptive oral healthcare device can be manoeuvred in the inter-dental surroundings and help to get rid of food debris and plaques. Consequently, daily flossing using this oral healthcare device is made easier, more effective and hygienic.

(Figure 5)

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