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(54) Title of the invention : ORAL DISINFECTING DEVICE

(51) International classification	:A61C0019040000, A61C0017060000, A46D0001000000, F25D0029000000, A61C0019060000	(71) <b>Name of Applicant :</b> <b>1)Chandigarh Group of Colleges, Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Dr. Sajjan Singh</b>
(33) Name of priority country	:NA	<b>2)Dr. Anil Kumar Lamba</b>
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(57) Abstract :

A fixture 1 configured on palate of a user's oral cavity, a frame 2 attached to the fixture 1 via a motorized telescopic rod 3, an AI (Artificial intelligence) enabled image capturing module 4 integrated with a controller for real time monitoring of the oral cavity, a gripper 5 in combination with an extendable rod 6 for grasping tooth of the user as per images processed by the controller, a suction unit for gathering stuck food particles within the tooth of user, a telescopically operated bristle 7 for cleaning inner lining of the oral cavity in case the stuck food particles is not properly removed from the tooth, a pH sensor 8 for detecting pH level of the oral cavity, a dispensing unit on receiving command from the controller sprays an alkaline solution via a pump.

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