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(57) Abstract :

A smart oral cavity visualization device comprising of a hollow frame 1 having two sections 1,2, provides an access to hold the frame 1 and the section 2 assembles an eyeglass 4 for visualizing an oral cavity of a user, an iris unit 5 for adjusting diameter of the eyeglass 4 in a practitioner defined manner, an artificial intelligence (AI) camera 6 for detecting proximity of the second section 3 with the cavity and generates a command via a microcontroller if the proximity exceeds a threshold level, a motorized hinge 7 actuates to move the eyeglass 4 away from the cavity upon receiving a command from the microcontroller, a chamber 8 for disinfecting the eyeglass 4, plurality of nozzles 9 for dispensing the disinfectant solution on the eyeglass 4, a blowing unit 10 in combination with a compressed air for drying the eyeglass 4 after disinfection. Ref Figure 1

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