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(57) Abstract :

ABSTRACT Title: A device for performing medical procedures in oral cavity of a subject in need thereof Existing devices for performing dental and/or stomatologic procedures suffer with various limitations. For instance, the conventional chairs are electrically operated and any fluctuation in electricity or circuit board damages could lead to non-functioning or defective functioning. Such non-functioning during a dental procedure will have a direct impact on the dental procedure(s) per se and also on the safety of the subject undergoing the procedure. Accordingly, to overcome the existing limitations/ challenges the present disclosure provides a pneumatic dental chair/ device (100) that is simple, highly efficient and safe when compared with traditional dental chair. It is operated using a foot pedal (900) unit and it employs dual pneumatic cylinders - a pneumatic actuator (700) and back rest pneumatic actuator (800). It helps in movement of seat (400) panel in up-down directions and backrest (300) panel in back and forth directions. Accompanying drawing is: Figure 1

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