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(57) Abstract :
A PNEUMATIC CONTROLLED MOBILE DENTAL TROLLEY SYSTEM AND METHOD OF OPERATING THEREOF ABSTRACT A pneumatic controlled mobile dental trolley system (100) 5 and a method operating thereof is provided. The system includes an air compressor (102) for regulating air pressure of a pneumatic cylinder (108) operatively coupled to a mobile dental trolley. The system further includes an automatic hand control (104) for controlling the movement of the mobile dental trolley upwards and down10 wards. The system further includes a pneumatic cylinder (108) for conducting the compressed air and allowing the mobile dental trolley to perform travelling up and down. The system further includes a flow control valve (114), associated with the pneumatic cylinder (108), for regulating a piston (112) inside the pneumatic cylinder (108) for moving up and down. The system further includes a 15 pilot non return valve (NRV) (116) for preventing back siphoning and the pilot NRV (116) opens for an outlet to exhaust air flow to a hand piece (110). [FIGS.1A -1B]

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