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(57) Abstract :

TITLE OF THE INVENTION: A PORTABLE AND SIMPLE TO OPERATE CONTINUOUS POSITIVE AIRWAY PRESSURE (CPAP) APPARATUS FOR NEONATES ABSTRACT The embodiments of the present invention provide a simple low-cost continuous positive airway pressure device also known as SIMPAP device, wherein the device is constructed with easily available tubes, multiport chamber and exit control valve which is calibrated to generate required pressure in the multiport chamber which transmit to the infant<sup>TM</sup>s airway resulting in continuous positive air way pressure. Further, the device can run on a gas flow of 2 lit per minute and hence the need for humidification of gas is eliminated.

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