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| (51) International classification             | :A61M0016000000,<br>A61M0005142000,<br>A61M0005140000,<br>A61L0009160000,<br>A61L0009200000 | (71)Name of Applicant :<br><b>1)JSS ACADEMY OF HIGHER EDUCATION &amp; RESEARCH, MYSURU</b><br>Address of Applicant :JSS Medical Institution Campus, Sri Shivarathreeshwara Nagara, Mysuru – 570 015, Karnataka, India<br>Karnataka India |
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(57) Abstract :

The present invention discloses a self-contained and a portable life support system built in at least three layers. The said system comprising: a top layer having at least a shelf for comprising a medical infusion system having at least an infusion pump for administering critical medication via an intravenous route; a middle layer having an enclosed cabinet unit to achieve isolation, wherein said cabinet unit comprises a front head access door and a plurality of self-sealing catheter/tubing port. The front head access door is opened without opening the main door to access a head end of a patient. Further, a bottom layer having a respiratory support system provided via a plurality of ports and housings for mechanical ventilator. The system further comprises: an air handling system that traverses said middle layer, wherein an exhaled air is sanitized using at least a filter in said air handling system. (To be published with figure 1)

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