INOLIVENT: METHOD AND APPARATUS FOR MANAGEMENT OF SEVERE RESPIRATORY DISTRESS

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Technology description

This innovation responds to an urgent medical need for severe respiratory distress care system in premature infants, new-born infants, children and adults that cannot be treated by conventional gaseous ventilation. Indeed, despite recent progress in optimizing conventional mechanical ventilation, mortality due to acute respiratory distress syndrome remains high. On average, 20% of newborns with respiratory distress syndrome die. Development of the Inolivent device in order to make it available in intensive-care unit is therefore essential. TECHNOLOGY
Medical device used to perform fluid total ventilations, i.e. to ventilate patients with a biologically inert liquid vector that is appropriate to gaseous exchanges.
The device purpose is to provide a simple, efficient, safe and reliable use.
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Application area

The technology is designed to be transferable in neonatal intensive care units.

Advantages

The apparatus originality is to use modular oxygenators and condensers as well as independently controlled pumps to correct the residual volume in the patient’ s lungs.

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