

Title (en)

CIRCUIT FOR THE VENTILATION AND FILTRATION OF THE ATMOSPHERE WITHIN A CLOSED SPACE

Publication

**EP 0034096 B1 19831221 (FR)**

Application

**EP 81400177 A 19810204**

Priority

FR 8003067 A 19800212

Abstract (en)

[origin: US4435194A] The invention relates to a circuit for ventilating and filtering the medium contained in a confinement enclosure (10) and also a method for sterilizing such an enclosure and its supply and discharge filters. An emergency or standby circuit is associated with the circuit ensuring ventilation and filtration under normal operating conditions and which comprises a supply pipe (20) and a discharge pipe (12), equipped with a suction fan (14). The said emergency circuit comprises the same pipes used in the opposite direction under the action of a suction fan (28) located in supply pipe (20), whereby said fan (28) can be automatically controlled by a pressostat (30). Sterilization is performed chemically, using a sterilizer which is connected to the supply duct between a valve and the supply filters disposed downstream of the valve. The sterilizer delivers a sterilizing agent which passes successively through the supply filters, the enclosure and the discharge filters. Once sterilization has been performed, the ventilating circuit is started up, so as to sweep away the sterilizing agent. Application to biological or nuclear experimentation enclosures.

IPC 1-7

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