

Title (en)

POSITIVE-FLOW, DEMAND RESPONSIVE, RESPIRATORY REGULATOR.

Title (de)

POSITIVE STRÖMUNG ERZEUGENDER, BEDARFSABHÄNGIGER ATMUNGSREGLER.

Title (fr)

REGULATEUR DE LA RESPIRATION A ECOULEMENT POSITIF SENSIBLE A LA DEMANDE.

Publication

EP 0245468 A4 19880907 (EN)

Application

EP 86907145 A 19861104

Priority

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Abstract (en)

[origin: WO8702590A1] A positive-flow, demand responsive, respiratory regulator (5) which controls the administration of gaseous fluid(s). As the patient begins the inspiration phase of the respiration cycle, a pressure decrease at a static sensor port (11) causes a breathing pressure augmentation diaphragm (21) to move toward the static sensor port. This causes opening of a positive pressure shut-off port (18) allowing dragon-fly diaphragms (20 and 27) to move upward thus opening the fluid supply inlet port (6). The open fluid supply inlet port creates fluid communication of gaseous fluid(s) to the patient. During the expiration phase of the respiration cycle a pressure increase at the static sensor port (11) causes the breathing pressure augmentation diaphragm to close the positive pressure shut-off port (18). This causes the dragon-fly diaphragms (20 and 21) to move downward, closing the fluid supply inlet port (6). The closed fluid supply inlet port prevents fluid communication of gaseous fluid(s) to the patient. If the patient's exhalation is very weak, the positive pressure shut-off port remains open and oxygen flow to the patient is not interrupted.

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A61M 16/00

IPC 8 full level

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Citation (search report)

- No relevant documents have been disclosed.
- See references of WO 8702590A1

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