

Title (en)  
LUNG-OPERATED BREATHING GAS VALVE

Publication  
**EP 0164505 A3 19860702 (DE)**

Application  
**EP 85103005 A 19850315**

Priority  
DE 3422023 A 19840614

Abstract (en)  
[origin: US4630605A] A control device for use with a respirator which has a breathing gas supply and a separate pressure gas supply comprises a gas control device housing with a connection for the patient and a bottle pressure line and a medium pressure line connected to the device and controlled by valve elements. A lung machine for respirators must guarantee, even upon failure of the important pressure reducer in the respiratory gas feed line, that the apparatus user is supplied with respiratory gas. This is done here in a simple manner by bypassing a swivel valve controlled by means of a breathing diaphragm. A piston valve, connected via a control line with the medium pressure PMD and, directly with the high pressure PHD, opens upon failure of the medium pressure and through the high pressure always present, directly a high pressure valve contained in the piston valve. The respiratory gas can then flow into the lung machine in adequate quantity and is expanded therein in any event, in order then to get to the apparatus user by the normal route.

IPC 1-7  
**A62B 9/02**

IPC 8 full level  
**A62B 9/02** (2006.01)

CPC (source: EP US)  
**A62B 9/025** (2013.01 - EP US); **Y10T 137/7781** (2015.04 - EP US)

Citation (search report)

- [A] FR 1107497 A 19560103
- [A] GB 512302 A 19390831 - AUERGESELLSCHAFT AG
- [A] CH 212597 A 19401130 - AUERGESELLSCHAFT AG [DE]
- [A] GB 1022574 A 19660316 - NORMALAIR LTD

Cited by  
GB2282213A; US5501213A; AU676365B2; GB2282213B; EP0884069A3; EP0885631A3; WO2006024101A1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0164505 A2 19851218; EP 0164505 A3 19860702; EP 0164505 B1 19881102**; DE 3422023 A1 19851219; DE 3422023 C2 19870423; DE 3565938 D1 19881208; JP S6113978 A 19860122; US 4630605 A 19861223

DOCDB simple family (application)  
**EP 85103005 A 19850315**; DE 3422023 A 19840614; DE 3565938 T 19850315; JP 12729785 A 19850613; US 74056085 A 19850603