

Title (en)  
COMPENSATED VALVE FOR RESPIRATORY DEVICES

Publication  
**EP 0158553 B1 19880511 (FR)**

Application  
**EP 85400494 A 19850314**

Priority  
FR 8403945 A 19840314

Abstract (en)  
[origin: US4616646A] A combined inhalation/exhalation valve for use on a breathing mask for high altitude flights comprises a housing carried by the mask and connectable to a demand regulator. A one-part diaphragm located in the housing controls gas flow. The diaphragm has a cup whose bottom wall is provided with a radial lip seal cooperating with an exhalation seat. The cup is annular. It defines a tore-shaped chamber subjected to the compensation pressure, e.g. to the pressure which prevails in the exhalation line of the regulator connected to the valve. The bottom wall of the cup is further provided with a lip constituting the movable element of an inhalation valve.

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

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

CPC (source: EP US)  
**A62B 9/02** (2013.01 - EP US); **Y10S 137/908** (2013.01 - EP US); **Y10T 137/2544** (2015.04 - EP US)

Cited by  
US11383061B2; WO2018077618A1

Designated contracting state (EPC)  
DE GB SE

DOCDB simple family (publication)  
**EP 0158553 A1 19851016; EP 0158553 B1 19880511**; DE 3562557 D1 19880616; FR 2563739 A1 19851108; FR 2563739 B1 19881104; US 4616646 A 19861014

DOCDB simple family (application)  
**EP 85400494 A 19850314**; DE 3562557 T 19850314; FR 8403945 A 19840314; US 71116985 A 19850313