

Title (en)  
Breathable gas delivery regulator.

Title (de)  
Atemluft-Zufuhrregler.

Title (fr)  
Régulateur de refoulement de gaz respiratoire.

Publication  
**EP 0078644 A2 19830511 (EN)**

Application  
**EP 82305642 A 19821022**

Priority  
GB 8132830 A 19811030

Abstract (en)  
A breathable gas delivery regulator (10) has a demand valve (15) which will open easily to substantially consistent efforts of a user throughout the pressure range of supply gas from a molecular sieve oxygen generator (not shown). The demand valve (15) is balanced by supply gas pressure and is operably connected, such as by a mechanical lever (29), with a pressure-responsive wall (27) of a demand-pressure sensing chamber (12) which is in fluid communication with a gas delivery outlet (17). Movements of the pressure-responsive wall (27) cause the demand valve (15) to move towards opening or closing and thereby regulate the flow of supply gas from a supply gas inlet (16) to the gas delivery outlet (17).

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

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

CPC (source: EP)  
**A62B 9/022** (2013.01)

Cited by  
US5460175A; KR100789347B1; GB2182248A; GB2182248B; EP0263677A3; US4858606A

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BE DE FR GB IT SE

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 82305642 A 19821022**; DE 3276617 T 19821022; ES 516949 A 19821029